San Francisquito Creek
Downstream of Highway 101
Flood Control Project

Delineation of Waters of the United States

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Biotic Assessments ◆ Resource Management ◆ Permitting

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Delineation of Waters of the United States

Prepared for:

Santa Clara Valley Water District

Prepared by:

Biotic Resources Group
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January 9, 2001

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SAN FRANCISQUITO CREEK , DOWNSTREAM OF HIGHWAY 101 FLOOD CONTROL PROJECT

PRELIMINARY DELINEATION OF WATERS OF THE UNITED STATES, INCLUDING WETLANDS

INTRODUCTION

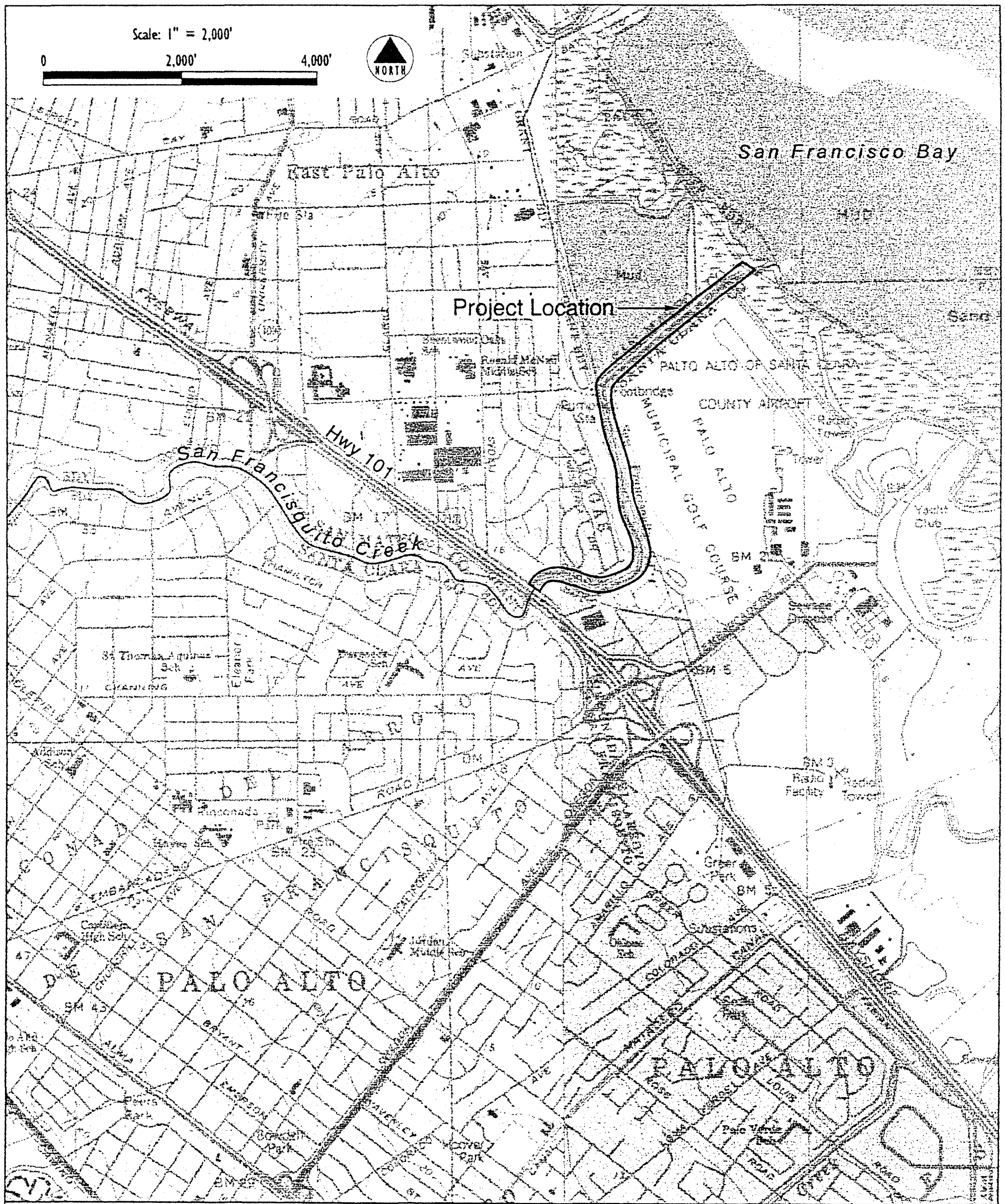
The Biotic Resources Group was contracted by the Santa Clara Valley Water District (SCVWD) to conduct a delineation of Waters of the United States, including wetlands, for an area proposed for flood control activities along a section of San Francisquito Creek. The project area extends from State Highway 101 downstream to the creek's terminus with San Francisco Bay, a distance of approximately one mile. The project is located along the boundary between the City of East Palo Alto (San Mateo County) and the City of Palo Alto (Santa Clara County), as depicted on Figure 1.

Purpose Of Report

A delineation of Waters of the U.S., including wetlands, as per U.S. Army Corps of Engineers (COE) criteria, was performed for the area proposed for flood control activities. These activities include sediment removal and levee restoration. Based on observations of the mandatory wetland indicators: hydric soils, hydrology, and a predominance of hydrophytic vegetation and observations of Mean High Water mark, the jurisdictional boundary of Waters of the U.S. was determined. The extent of riparian habitat (i.e., woody vegetation growing over the creek channel) was also documented.

A total of approximately 7.5 acres of wetlands were documented in the project study area. The wetlands occur as isolated wetland patches growing on in-stream sediment deposits and as continuous strips growing along the edge of the creek channel. Wetlands were also observed along the back sides of the existing levees (e.g., near existing golf course and the Palo Alto Municipal Airport). The project area also supports "other waters", which are the tidal, unvegetated portions of the creekbed. Therefore, those areas of sediment removal and/or levee restoration activities occurring within these areas will occur in jurisdictional areas. The creek was considered a navigable waterway under Section 10 of the Rivers and Harbors Act as well as subject to permitting under Section 404 of the Clean Water Act. The creek is within the tidal range of San Francisco Bay.

A small amount of riparian habitat was documented in the project area. Cover was provided by scattered trees growing along the levee just downstream of Highway 101. Approximately 100 linear feet of potential shaded riverine aquatic habitat was documented in the study area.



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San Francisquito Creek, Downstream of Highway 101
Delineation of Waters of the United States,
Including Wetlands
Location Map

Figure 1
1/01
147-03

BACKGROUND

Project Site Description

The project site is located along the boundary of the City of East Palo Alto and the City of Palo Alto in the northwest quadrant of Township 5 South, Range 2 West of the Rancho Rincon de San Francisquito (US Geologic Survey [USGS], Mountain View, California quadrangle (Figure 1). The project site is located along the downstream portion of San Francisquito Creek between State Highway 101 and San Francisco Bay.

Criteria for Waters of the United States, Including Wetlands, Under Section 404 Of the Clean Water Act and Section 10, Rivers and Harbors Act

The U.S. Army of Corps of Engineers regulates activities within waters of the United States pursuant to congressional acts: Section 10 of the Rivers and Harbors Act of 1899 and Section 404 of the Clean Water Act (1977, as amended).

Section 10 of the Rivers and Harbors Act requires a permit for any work in, over, or under navigable waters of the United States. Examples of work include piers, docks, breakwaters, and dredging. Navigable waters are defined as those waters subject to the ebb and flow of the tide to the Mean High Water mark (tidal areas) or below the Ordinary High Water mark (freshwater areas). Navigable waters may be used currently, in the past, or in the future, to transport interstate or foreign commerce.

Section 404 of the Clean Water Act (CWA, 1977, as amended) requires a permit for discharge of dredged or fill material into Waters of the United States. Under Section 404, Waters of the United States is defined as all waters which are used currently, or were used in the past, or may be used in the future for interstate or foreign commerce, including waters subject to the ebb and flow of the tide up to the high tide line. Additionally, areas such as wetlands, rivers and streams (including intermittent streams and tributaries) are considered Waters of the U.S. Isolated waters (i.e., those not part of a surface tributary systems) and adjacent wetlands are also considered jurisdictional.

The extent of wetlands is determined by examining the presence of hydrophytic vegetation, hydric soils and wetland hydrology. Under normal circumstances, all three of these parameters must be satisfied for an area to be considered a jurisdictional wetland under Section 404 of the Clean Water Act.

Hydrophytic Vegetation. Hydrophytic vegetation is plant life that occurs in areas where the frequency and duration of inundation or soil saturation exerts a controlling influence on the plant species present. Plant species are characterized by their tendency to occur in wetlands; the seven categories are listed and described in Table 1. An area is considered to have hydrophytic vegetation when more than 50 percent of the dominant species are OBL, FACW or FAC (excluding FAC-).

Hydric Soils. Hydric soils are those soils that are saturated, flooded or ponded long enough during the growing season to develop anaerobic conditions in portions of the soil profile. Soil color is one of the most widely used field indicators to determine hydric soils. Hydric soils are typically formed under anaerobic conditions and are generally blue-gray, black or dark brown (e.g., low chroma values). Soils subject to alternating seasonal flooding and drying develop mottles that appear as scattered concretions of reddish soil containing iron.

Table 1. Plant Species Wetland Indicator Categories

Obligate Wetland	OBL	Plant species occur almost always (estimated probability >99%) in wetlands under natural conditions; may persist in areas converted to uplands or on non-wetland sites if planted.
Facultative Wetland	FACW	Plant species usually found (between 67-99%) in wetlands; may be found occasionally in non-wetlands under natural conditions.
Facultative	FAC	Plant species which are equally likely to be found in wetland or non-wetlands (34-66%).
Facultative Upland	FACU	Plant species which are occasionally (1-33%) found in wetlands, but usually occur in non-wetlands.
Obligate Upland	UPL	Plant species which rarely occur (<1%) in wetlands and which occur almost always in non-wetlands.
No Indicator	NI	Plants for which insufficient information exists to assign indicator status.
Not Listed	NL	Plants not listed; plants are generally considered non-wetland.

Wetland Hydrology. Wetland hydrology refers to areas that are periodically inundated or have soils saturated to the surface at some time (generally 12.5 percent or more) during the growing season. Primary field indicators used to determine wetland hydrology can include direct observation of inundation or saturation, recorded data, watermarks, drift lines and sediment deposits. Secondary field indicators include oxidized root channels and water stained leaves. A negative indicator for wetland hydrology is the presence of facultative, deciduous trees that have roots deeper than 12 inches from the soil surface.

Criteria for Determining Potential Shaded Riverine Aquatic Habitat

Woody vegetation that hangs over the creek channel provides cover and/or shade for aquatic resources. The amount/extent of potential shaded riverine aquatic habitat is measured as the number of linear feet of vegetative cover over the creek channel.

The term "potential shaded riverine aquatic habitat" is used because the area in question involves shading of the channel by woody vegetation in an area that is tidal. To date, it has not been determined whether these areas are relevant under the definition of shaded riverine aquatic.

METHODOLOGY

Review Of Maps And Previous Reports

Existing reference materials relevant to the project study area were gathered and reviewed. These materials included the following:

- Topographic Map; Mountain View quadrangle (USGS).
- US Department of Agriculture, Soil Conservation Service (SCS) Soil Survey of Santa Clara County, California.
- Hydric Soils List; Official List of Hydric Soil Map Units for Santa Clara County, California (SCS, March 27, 1992).
- San Francisquito Creek Aerial and Topographic Maps, 1"=50' Plan Sheets (SCVWD, 2000).
- Tide Tables

Field Survey

The field and reporting methodology to delineate the extent of wetlands within the project area followed the protocol specified in the 1987 COE Manual (Environmental Laboratory, 1987). In November and December 2000 a biologist conducted field surveys of the project site to identify and delineate potential jurisdictional wetlands and other "Waters of the United States". Data on vegetation, soils and hydrology were collected at fifty (50) locations within the project study area using the Routine On-site Wetland Determination protocol (1987 COE Manual, Environmental Laboratory, 1987). Data point locations were measured and marked on a 1"=50' project field maps; these locations are depicted on Plan Sheets 4-8 at 1"=100'. Field data sheets are presented as Appendix A.

At each data point, vegetation was analyzed within an approximate five-foot radius. Visually dominant plant species were recorded on data sheets and their wetland indicator status recorded.

Plant species observed on the site during the November and December field surveys are listed in Appendix A. An assessment of the hydrologic criterion on-site was based on primary and secondary indicators. Primary indicators (such as observations of inundation, saturation or flowing water) were evident during the survey. Secondary indicators (e.g., watermarks, sediment deposits, and oxidized rhizospheres) were also observed. Hydric soils were surveyed in accordance with the Corps manual (1987). In some areas, recent sediment deposits from the upper watershed were observed. In these areas, vegetation was the primary inference for positive wetland conditions.

The location of the Mean High Water mark along the creek channel was measured based on observations of tidal actions, shelving and vegetation patterns and depicted onto the project base map.

The amount and type of riparian habitat was determined by recording the linear feet of woody cover over the creek channel. The species and diameter of the woody material (measured as number of trunks or branches) and linear feet of cover was determined in the field and demarcated on the project base maps.

RESULTS

Determination of Mean High Water Mark

The project site is located along a tidally influenced portion of the creek. Streamflow within the creek is a result of rural and natural area runoff, tidal flows, precipitation and groundwater.

Based on field observations in November and December 2000 the mean high water mark was determined to be at approximately 4 to 5-foot elevation. The mean high water mark was evident by sediment deposits, watermarks and vegetation patterns. Unvegetated areas below the mean high water mark (i.e., open water, mudflats) are considered "other waters" of the U.S., as depicted on Plan Sheets 4-8.

Determination of Jurisdictional Wetlands

Wetlands within the project study area occur along both sides of the creek channel, on in-stream sediment deposits and on low-elevation areas along the back side of the existing levees. The wetland areas are depicted on Plan Sheets 4-8. The acreage of wetlands within the project area is listed in Table 2.

Vegetation. Within the project area, a mixture of native and non-native plant species dominate the sides of the existing levees. The upper slopes of the levees are vegetated with shrubs of coyote brush (*Baccharis pilularis*) (NI), tree tobacco (*Nicotiana glauca*) (FAC), myoporum (*Myoporum* sp.) (NI) and scattered trees. The tree species include palm (*Washingtonia* sp.) (NI), Monterey pine (*Pinus radiata*) (NI), eucalyptus (*Eucalyptus* sp.) (NI), tree-of-heaven (*Ailanthus altissima*) (FACU), Fremont cottonwood (*Populus fremontii*) (FACW) and willow (*Salix* sp.) (OBL-FACW). The understory is dominated by non-native herbaceous plants, including wild oat (*Avena* sp.) (NI), Italian ryegrass (*Lolium multiflorum*) (FAC), horehound (*Marrubium vulgare*) (FAC), poison hemlock (*Conium maculatum*) (FAC), mallow (*Malva neglecta*) (NI) and mugwort (*Artemisia douglasiana*) (FACW). Due to the prevalence of facultative and upland plant species along the upper slopes of the levees, these areas are considered upland habitat.

Where sediment deposits occur next to or within the creek channel, vegetation typical of tidally-influenced habitats was observed. As depicted on Figures 2-6, the vegetation occurs in a 5-25-foot band along the creek edge. Cordgrass (*Spartina foliosa*) (OBL) was observed in dense monocultures at the lower elevations and, in some higher elevation areas intermixing with pickleweed (*Salicornia virginica*) (OBL). Other plant species documented within these areas include fat hen (*Atriplex triangularis*) (FACW), salt grass (*Distichlis spicata*) (FACW), sea-blite (*Suaeda fruticosa*) (FACW), plantain (*Plantago subnuda*) (FACW), gum plant (*Grindelia stricta*) (FACW), and brass buttons (*Cotula coronopifolia*) (FACW+) upstream portion of the project area (near Highway 101) are scattered patches of cattail (*Typha* sp.) (OBL). Non-native plant species were observed in the transition area between the pickleweed-dominated areas and the upland levees; typical species include poison hemlock, peppergrass (*Lepidium latifolium)* (FACW), creeping bent grass (*Agrostis stolonifera*) (FACW) and cocklebur (*Xanthium strumarium*) (FAC+). The dominant vegetation was comprised of greater that 50% OBL, FACW or FAC species, thereby meeting the mandatory vegetation criterion for wetlands.

Vegetation along the back sides of the levees was also observed to support wetland vegetation. As depicted on Plan Sheets 4-8, wetlands occur to the south of the existing levee in low-elevation areas. In these areas, pickleweed (OBL) is the dominant plant species. Another wetland area occurs north of the existing levees (see Figure 5). This area is dominated by saltgrass (FACW), pickleweed (OBL), fat hen (FACW), and curly dock (*Rumex crispus*) (FACW). The dominant vegetation was comprised of greater that 50% OBL, FACW or FAC species, thereby meeting the mandatory vegetation criterion for wetlands.

Soils. The soils within the channel bed are tidally-influenced clays. Soil samples taken from edge of the creek channel (i.e., data point #9B) were documented as 10YR 4/1 to 10 inches and 5YR 4/1 at 10-16 inches. The gleyed quality of the soil (low chroma) meets the positive hydric criteria.

Soils on the banks and low benches above the channel bed are sandy loam, presumably deposited from sediments washed downstream from the upper watershed. Soil samples taken from these areas (i.e., data point #10A) were documented as 10YR 4/4 at depths of 0-8 inches, yet between 8 and 16 inches, gleyed soil was noted (5YR 4/1). The presence of the hydric soil at 8 inches meet the positive hydric criteria. In some area, the depth of the sandy deposits was deeper than the soil pit (i.e., deeper than 16 inches). In these areas, hydric soil was inferred by the dominance of obligate plant species (i.e., pickleweed),

Hydrology. Based on field observations in November and December 2000, the Mean High Water Mark occurs between the 4 and 5-foot elevations, as evidenced by sediment deposits, watermarks and vegetation patterns. Sample points documented the observation of soil saturation, and at some sample points oxidized rhizospheres were observed. Field observations documented other hydrologic indicators, including observations of water marks and sediment deposits, thus meeting positive hydrology criteria.

Determination of Potential Shaded Riverine Aquatic Habitat

A total of 100 linear feet of shaded riverine aquatic (SRA) habitat was documented within the project area. This habitat was observed in the upstream portion of the study area, as depicted on Figure 6. The shaded cover is provided by Fremont cottonwood (*Populus fremontii*) and willow (*Salix* sp.). Table 3 lists the woody vegetation providing the shaded conditions by species, size (diameter) of individuals trunks or branches and linear feet.

CONCLUSIONS

A portion of the project construction work (e.g., sediment removal and/or levee restoration) will occur in the creekbed and on creekbank sediment deposits supporting wetlands. Additionally, wetlands occurring along the backside of the levees may be affected by project work if levee restoration work occurs in these areas. These activities will occur in jurisdictional areas considered Waters of the United States (i.e., open water/creekbed below Mean High Water and wetlands). The exact acreage of jurisdictional areas to be affected by the project will be determined following more detailed project design work.

Table 2. Amount of Waters of the United States, including Wetlands, Under Jurisdiction of Section 404 of the Clean Water Act, San Francisquito Creek, Downstream of Highway 101

Habitat Type	Amount Documented on Site (acres)
Waters of the United States – Wetlands	
Salt Marsh Wetlands inside Levees	5.7
Salt Marsh Wetlands outside Levees	1.8
Subtotal	**7.5 acres**

Waters of the United States - Other Waters	
Open Water/Creekbed	19.6
TOTAL	**27.1**

Table 3. Amount of Potential Shaded Riverine Aquatic Habitat, San Francisquito Creek, Downstream of Highway 101

Map Code	Species	Number and Diameter of Trunks/Branches (inches) Hanging Over Streambed	Linear Feet
1	*Salix sp.*	10-1", 2-2"	50
2	*Populus fremontii*	1-3", 3-2", 1-1"	50
TOTAL			**100**

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USGS. Mountain View, California 7-1/2 minute topographic quadrangle.

APPENDIX A

Wetland Data Sheets

22

Plant Checklist

Stream/River: San Francisquito Creek Dec-00

Project Activity: Sediment Removal and Levee Restoration

Location: Downstream of 101 to SF Bay

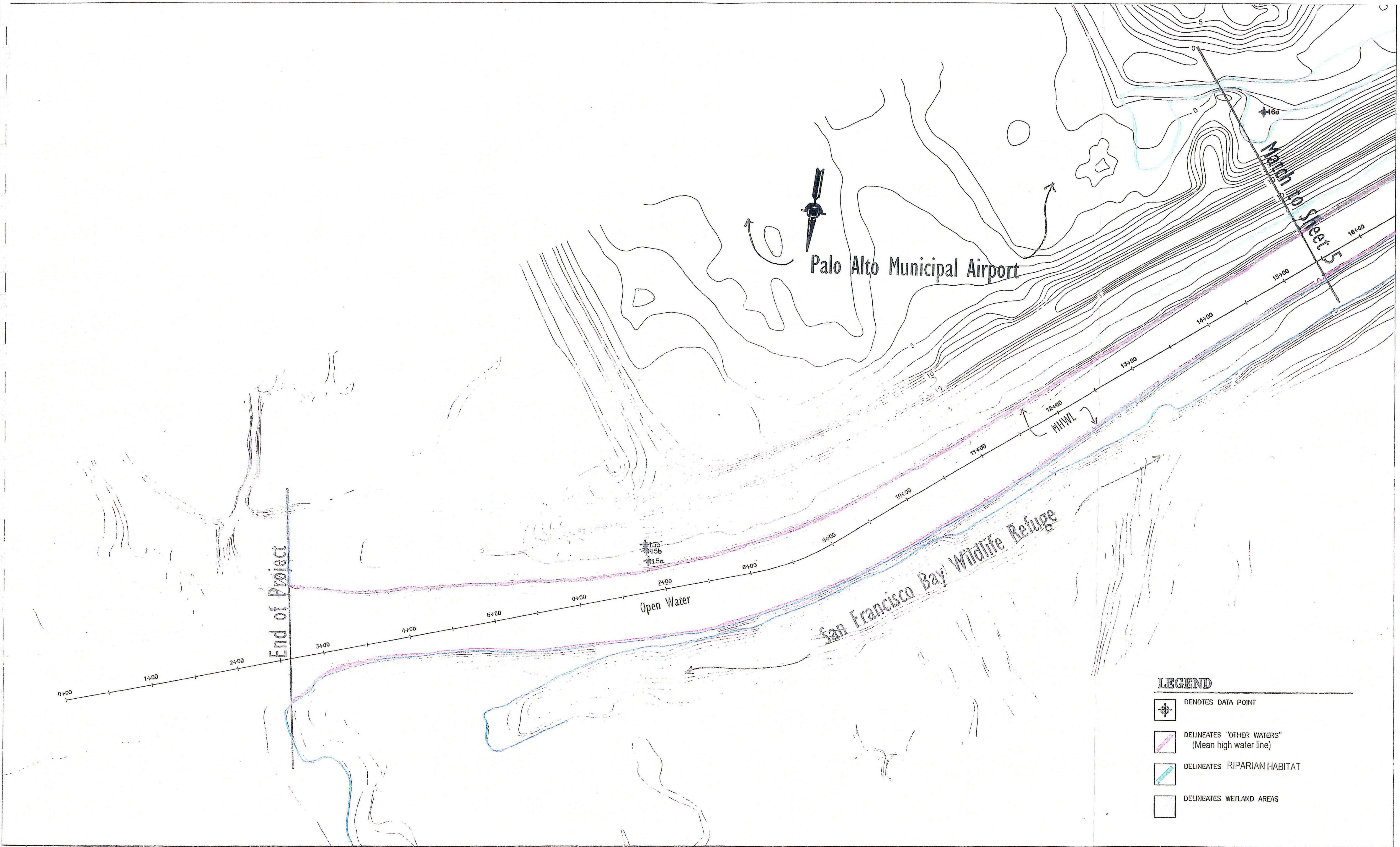
FAMILY NAME		SPECIES (Bold = Native P= Pest or invasive)	INDICATOR STATUS	OBSERVED?
AMARANTHACEAE		*Amaranthus retroflexus*	FACU	
APIACEAE	*	*Conium maculatum*	FACW	X
		Foeniculum vulgare	FACU	X
APOCYNACEAE	*	*Vinca major*	UPL	
ARALIACEAE	*	*Hedera helix*	UPL	
ASTERACEAE		*Anthemis cotula*	FACU	
		Artemisia douglasiana	**FACW**	**X**
		Aster chilensis	**FACW**	
		Baccharis pilularis	**UPL**	**X**
		Baccharis salicifolia	**FACW**	
		Bidens cernua	**OBL**	
		Carduus pycnocephalus	UPL	
	*	*Centaurea solstitialis*	UPL	
		Cirsium vulgare	FACU	X
		Cotula coronopifolia	FACW+	X
		Euthamia occidentalis	**OBL**	
		Gnaphalium californicum	**UPL**	
		Grindelia stricta	**FACW**	**X**
		Helenium puberulum	**FACW**	
		Hypochaeris glabra	UPL	
		Lactuca serriola	FAC	X
		Picris echioides	FAC	X
		Senecio vulgaris	NI	
		Sonchus asper	FAC	X
		Sonchus oleraceus	UPL	
	*	*Xanthium spinosum*	FAC+	
	*	*Xanthium strumarium*	FAC+	X
BORAGINACEAE		***Heliotropium currassavicum***	**OBL**	
BRASSSICACEAE		*Brassica rapa*	UPL	**X**
		Brassica nigra	UPL	
	P	*Lepidium latifolium*	FACW	X
		Raphanus sativa	UPL	X
		Rorippa nasturtium-aquaticum	**OBL**	
CAPRIFOLIACEAE		***Symphoricarpus albus var. laevigatus***	**FACU**	
CARYOPHYLLACEAE		*Stellaria media*	FACU	
CHENOPODIACEAE		*Beta vulgaris*	FACU	
		Atriplex triangularis	FACW	X
		Chenopodium album	FAC	
		Chenopodium ambrosioides	FAC	
		Salicornia virginica	**OBL**	X
		Salsola kali var. tenuifolia	FACU+	
	P	*Salsola soda*		
		Suaeda fruticosa	FACW	X
CORNACEAE		***Cornus glabrata***	**FACW**	
CUSCUTACEAE		***Cuscuta sp.***		
CYPERACEAE		***Carex sp.***		

Plant Checklist

FAMILY NAME		SPECIES (Bold = Native P= Pest or invasive)	INDICATOR STATUS	OBSERVED?
		Cyperus eragrostis	**FACW**	
		Cyperus esculentus	**FACW**	X
		Eleocharis macrostachya	**OBL**	
		Eleocharis sp.	**>FAC**	
		Scirpus americanus	**OBL**	
		Scirpus acutus var. occidentalis	**OBL**	
		Scirpus americanus	**OBL**	
		Scirpus californicus	**OBL**	
		Scirpus fluviatilis	**OBL**	
		Scirpus maritimus	**OBL**	
		Scirpus microcarpus	**OBL**	
		Scirpus robustus	**OBL**	
		Scirpus tuberosus	**OBL**	
EQUISETACEAE		***Equisetum arvense***	**FAC**	
EUPHORBIACEAE	*	*Ricinis communis*	FACU	X
FABACEAE		*Lotus corniculatus*	FAC	X
		Lotus purshianus var. purshianus	**UPL**	
		Medicago polymorpha	UPL	
		Melilotus albus	FACU+	
		Vicia villosa	UPL	
FRANKENIACEAE		***Frankenia salina***	**FACW+**	X
JUNCACEAE		***Juncus bufonius***	**FACW+**	
		Juncus effusus	**OBL**	
		Juncus xiphioides	**OBL**	
LAMIACEAE		*Marrubium vulgare*	FAC	X
		Mellisa officinales	UPL	
		Mentha arvensis	**FACW**	
LYTHRACEAE		***Lythrum californicum***	**OBL**	
		Lythrum hyssopifolia	FACW	
MALVACEAE		***Malva sp.***	**UPL**	X
		Malvella leprosa	**FAC**	
ONAGRACEAE		***Epilobium brachycarpum***	**UPL**	
		Epilobium ciliatum ssp. cilatum	**FACW**	
		Ludwigia peploides ssp. peploides	**OBL**	
PLANTAGINACEAE		*Plantago lanceolata*	FAC-	X
		Plantago major	FACW-	X
		Plantago subnuda	FACW	X
POACEAE		*Agrostis stolonifera*	FACW	X
	P	*Arundo donax*	FACW	X
		Avena barbata	UPL	X
		Avena fatua	UPL	
		Bromus carinatus	**UPL**	
		Bromus catharticus	UPL	
		Bromus diandrus	UPL	
		Bromus hordeaceus	FACU-	
		Bromus rubens	UPL	
		Crypsis schoenoides	OBL	
		Cynodon dactylon	FAC	X
		Distichlis spicata	FACW	X
		Echinochloa crus-galli	FACW	
		Leymus triticoides	**FAC**	
		Glyceria leptostachya	**OBL**	

Plant Checklist

FAMILY NAME	SPECIES (Bold = Native P= Pest or invasive)	INDICATOR STATUS	OBSERVED?
	Hordeum marinum ssp. leporinum	UPL	
	Leptochloa fascicularis	OBL	
	Lolium multiflorum	FAC	X
	Lolium perrene	FAC	
	Parapholis incurva	OBL	
	Paspalum dilatatum	FAC	
	Paspalum distichum	**OBL**	
	Pennisetum clandestinum	FACU	
	Phalaris aquatica	FAC+	
	Piptatherum milliaceum	UPL	
	Poa annua	FACW-	
	Polypogon monspeliensis	FACW+	X
	Sorghum halepense	FACW	
	Spartina foliosa	OBL	X
	Vulpia myuros	FACU	
POLYGONACEAE	***Polygonum amphibium var. emersum***	**OBL**	
	Polygonum arenastrum	**UPL**	
	Polygonum hydropiper	OBL	
	Polygonum hydropiperoides	**OBL**	
	Polygonum lapathifolium	**OBL**	
	Polygonum punctatum	**OBL**	
	Rumex crispus	FACW-	X
PORTULACACEAE	*Portulaca oleracea*	FAC	
POTAMOGETONACEAE	***Potamogeton sp.***	**OBL**	
PRIMULACEAE	*Anagallis arvensis*	FAC	
RANUNCULACEAE	***Ranunculus californicus***	**FAC**	
ROSACEAE	*Rubus discolor*	FACW	
	Rubus parviflorus	**FAC+**	
	Rubus ursinus	**UPL**	
SALICACEAE	***Populus fremontii***	**FACW**	**X**
	Salix sp.	**FACW**	**X**
	Salix laevigata	**UPL**	
	Salix lasiolepis	**FACW**	
SALVINIACEAE	***Azolla filiculoides***	**OBL**	
SCROPHULARIACEAE	***Mimulus cardinalis***	**OBL**	
	Mimulus guttatus	**OBL**	
	Scrophularia californica	**FAC**	
	Veronica americana	**OBL**	
	Veronica anagallis-aquatica	OBL	
	Veronica catenata	OBL	
	Veronica peregrina ssp. xalapensis	**OBL**	
SOLANACEAE	***Solanum americanum***	**FAC**	
	Solanum nigrum	FACU	
TYPHACEAE	***Sparganium eurycarpum***	**OBL**	
	Typha angustifolia	**OBL**	
	Typha domingensis	**OBL**	
	Typha latifolia	**OBL**	**X**
URTICACEAE	***Urtica dioica ssp. holosericea***	**FACW**	
VITACEAE	***Vitis californica***	**FACW**	



REV | DESCRIPTION | DATE | APPR

REFERENCE INFORMATION AND NOTES

San Francisquito Creek, Downstream of Highway 101
Delineation of Waters of the United States and
Riparian Habitat

1/9/01

DATE 10/30/2000
DESIGN
DRAWN R. AGREDA
CHECKED

Santa Clara Valley Water District

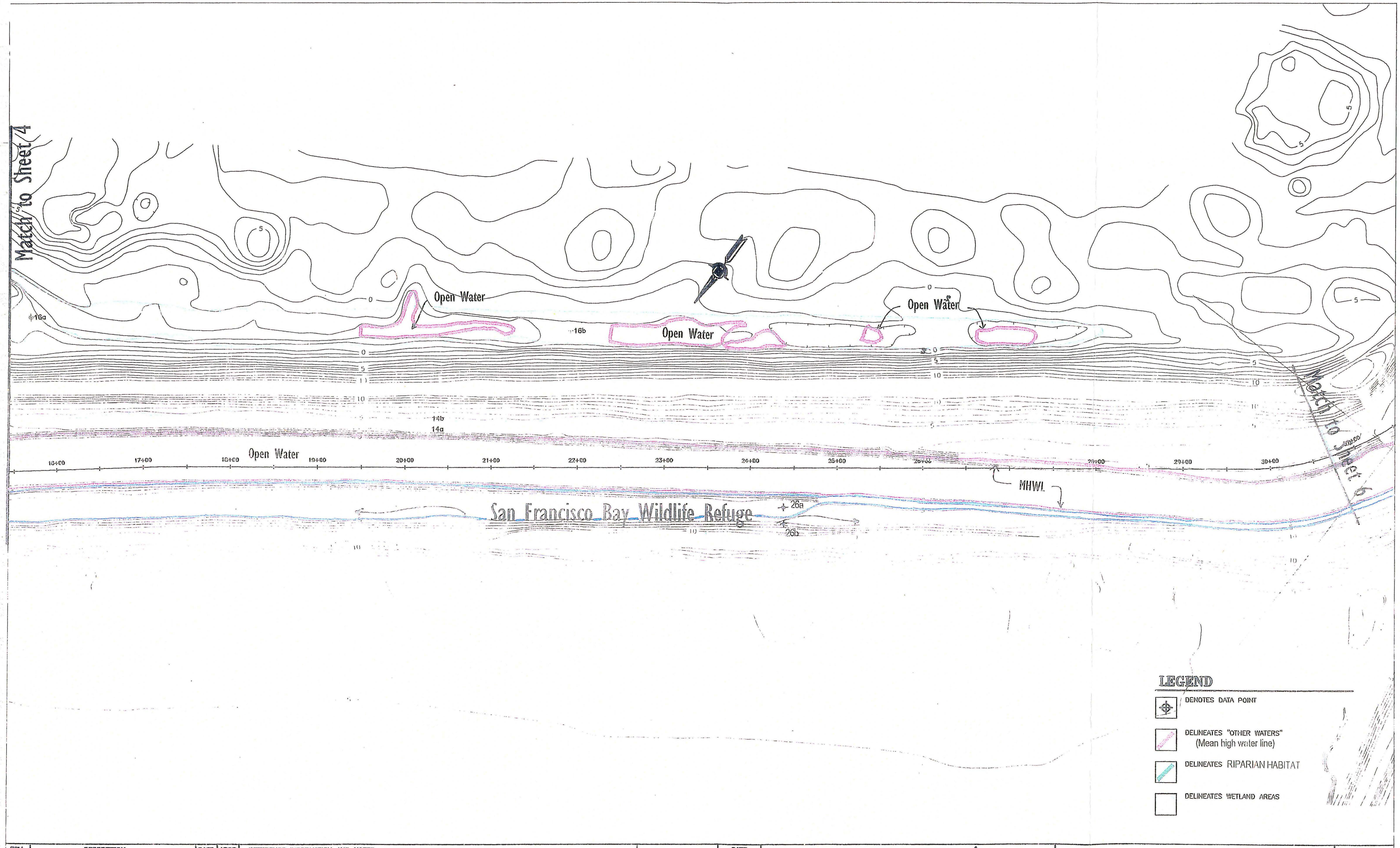
ENGINEERING CERTIFICATION
PROJECT ENGINEER
R.C.E. NO.

ENGINEERING APPROVAL
SUPERVISING ENGINEER

SAN FRANCISQUITO CREEK
PHASE 1 AND 2
PLAN

SCALE 1"=100'

SHEET 4



REV	DESCRIPTION	DATE	APPR

REFERENCE INFORMATION AND NOTES

San Francisquito Creek, Downstream of Highway 101
Delineation of Waters of the United States and
Riparian Habitat

1/9/01

DATE 10/30/2000
DESIGN
DRAWN R. AGREDA
CHECKED

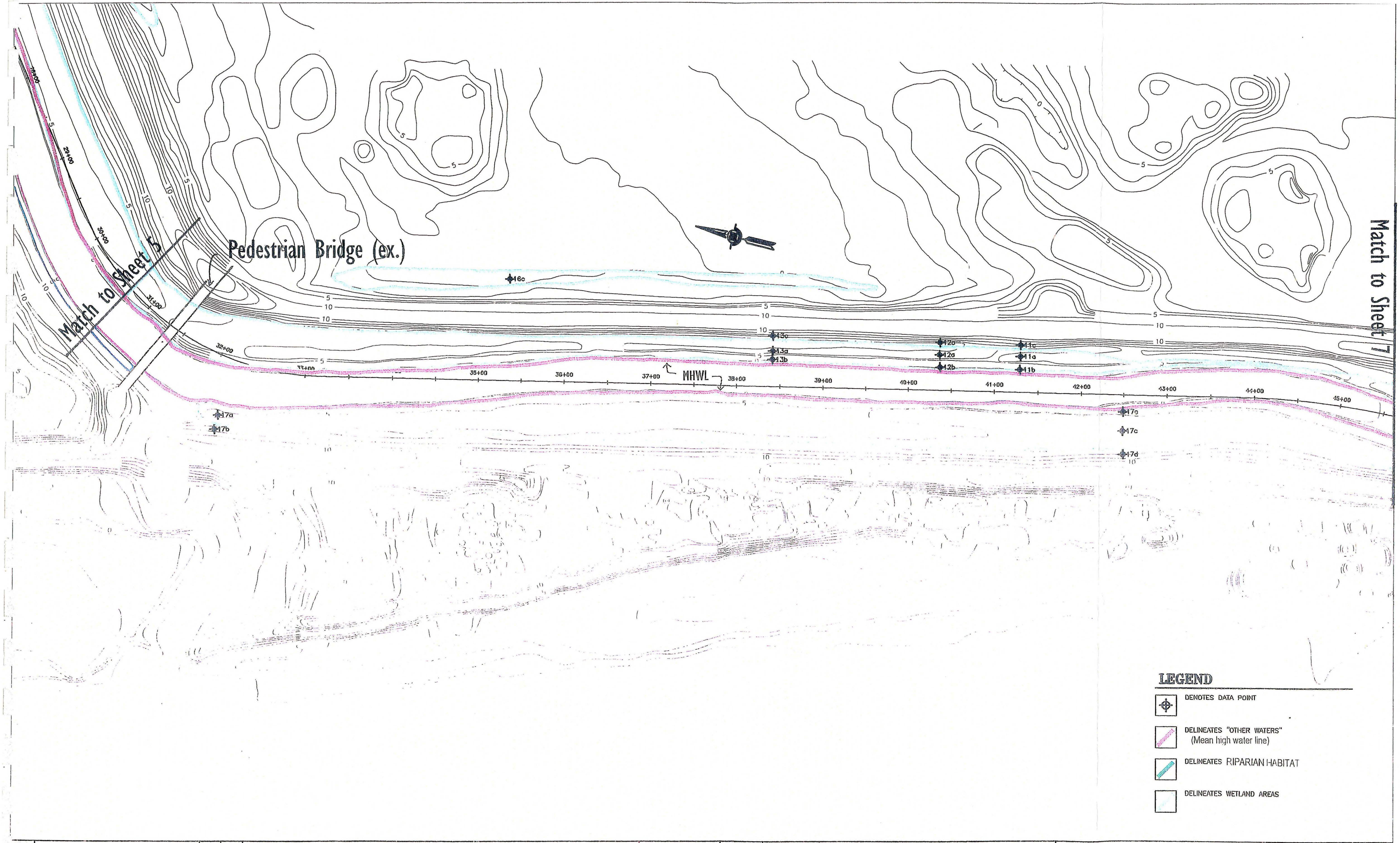
Santa Clara Valley Water District

ENGINEERING CERTIFICATION
PROJECT ENGINEER
R.C.E. NO.

ENGINEERING APPROVAL
SUPERVISING ENGINEER

SAN FRANCISQUITO CREEK
PHASE 1 AND 2
PLAN

SCALE 1"=100'
SHEET 5



REV	DESCRIPTION	DATE	APPR

REFERENCE INFORMATION AND NOTES

San Francisquito Creek, Downstream of Highway 101
Delineation of Waters of the United States and
Riparian Habitat

1/9/01

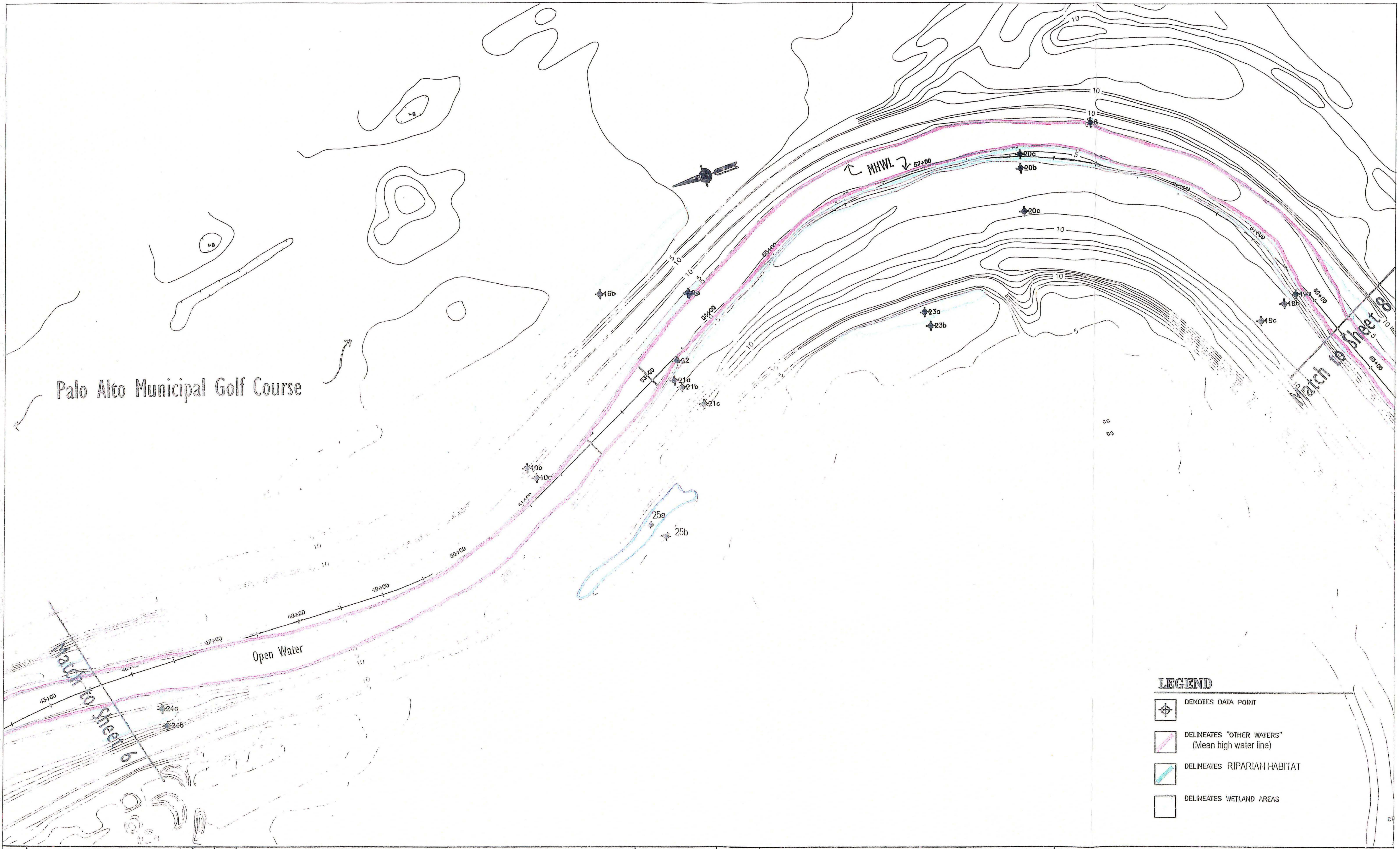
DATE 10/30/2000
DESIGN
DRAWN R. AGREDA
CHECKED

Santa Clara Valley Water District

ENGINEERING CERTIFICATION
ENGINEERING APPROVAL
PROJECT ENGINEER
R.C.E. NO.
SUPERVISING ENGINEER

SAN FRANCISQUITO CREEK
PHASE 1 AND 2
PLAN

SCALE 1"=100'
SHEET 6



REV	DESCRIPTION	DATE	APPR	REFERENCE INFORMATION AND NOTES
				San Francisquito Creek, Downstream of Highway 101 Delineation of Waters of the United States and Riparian Habitat

1/9/01

DATE 10/30/2000
DESIGN
DRAWN R. AGREDA
CHECKED

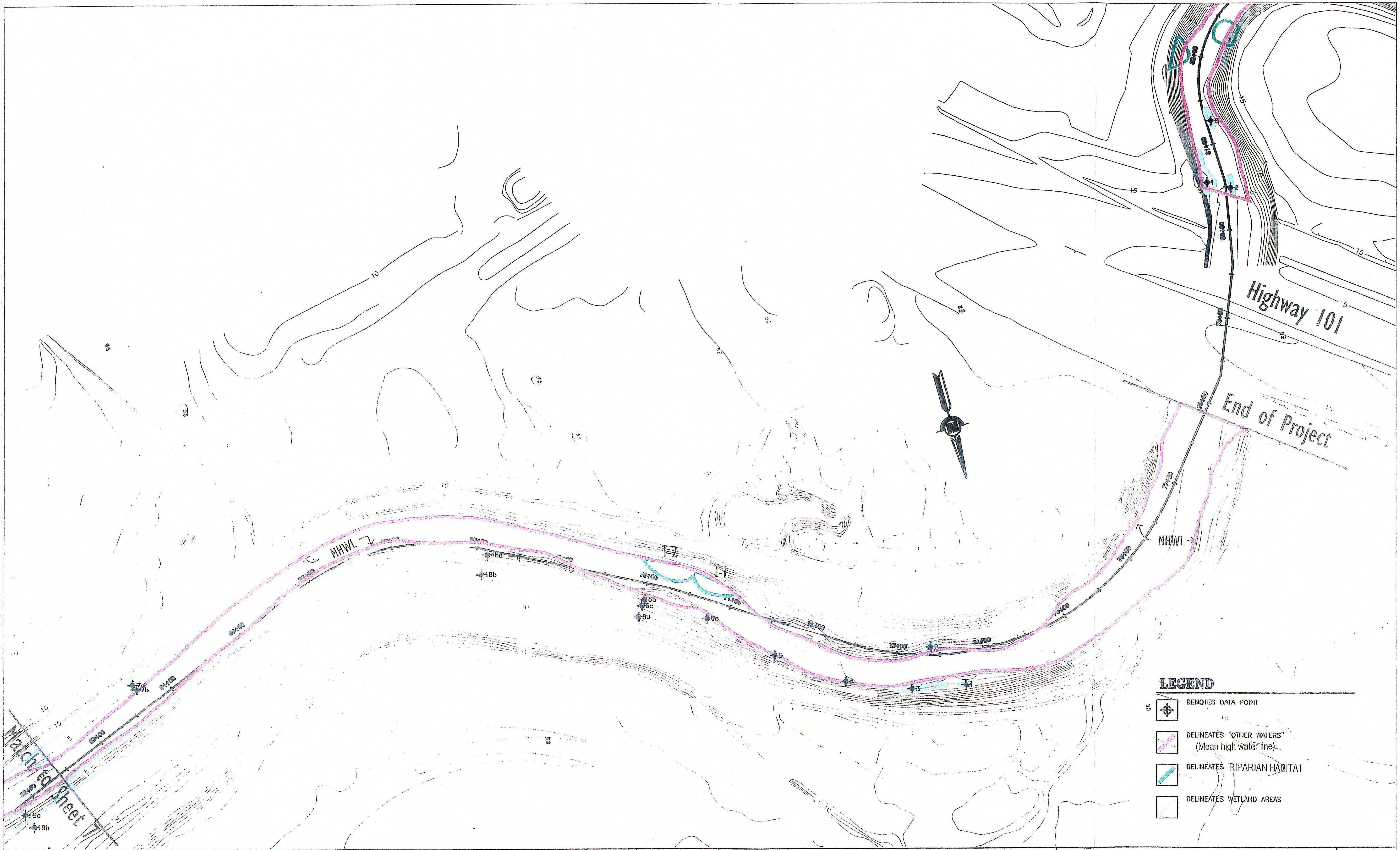
Santa Clara Valley Water District

ENGINEERING CERTIFICATION
PROJECT ENGINEER
R.C.E. NO.

ENGINEERING APPROVAL
SUPERVISING ENGINEER

SAN FRANCISQUITO CREEK
PHASE 1 AND 2
PLAN

SCALE 1"=100'
SHEET 7



REV | DESCRIPTION | DATE | APPR

REFERENCE INFORMATION AND NOTES

San Francisquito Creek, Downstream of Highway 101
Delineation of Waters of the United States and
Riparian Habitat

1/9/01

DATE
10/30/2000
DESIGN

DRAWN
R. AGREDA
CHECKED

Santa Clara Valley Water District

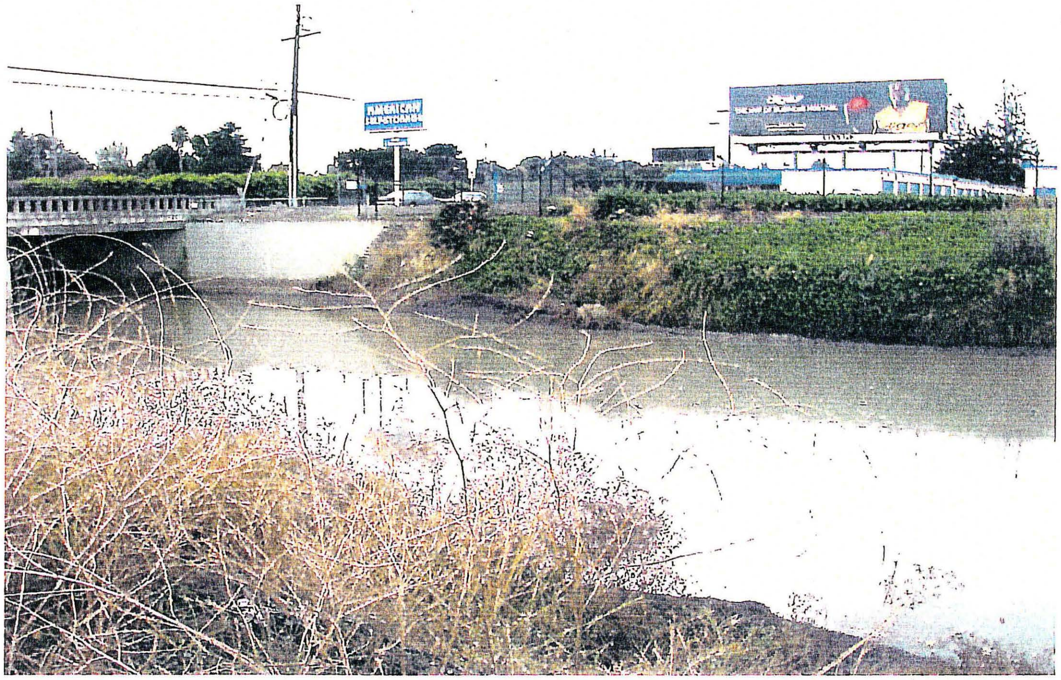
ENGINEERING CERTIFICATION
PROJECT ENGINEER R.C.E. NO.

ENGINEERING APPROVAL
SUPERVISING ENGINEER

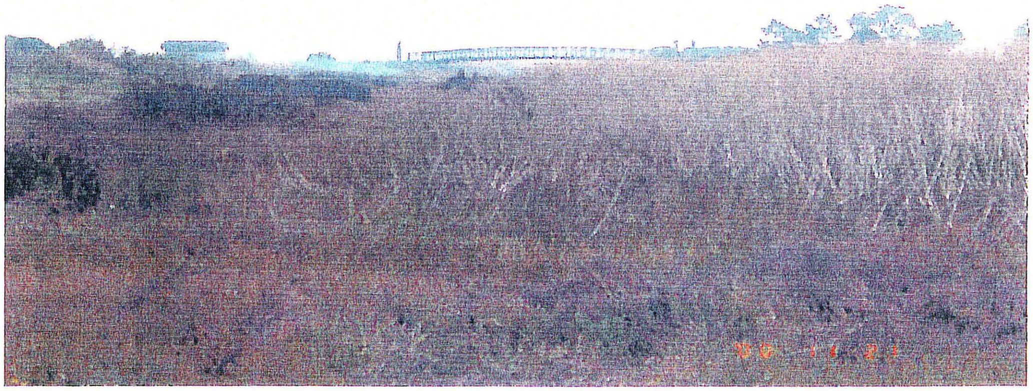
SAN FRANCISQUITO CREEK
PHASE 1 AND 2
PLAN

SCALE
1"=100'

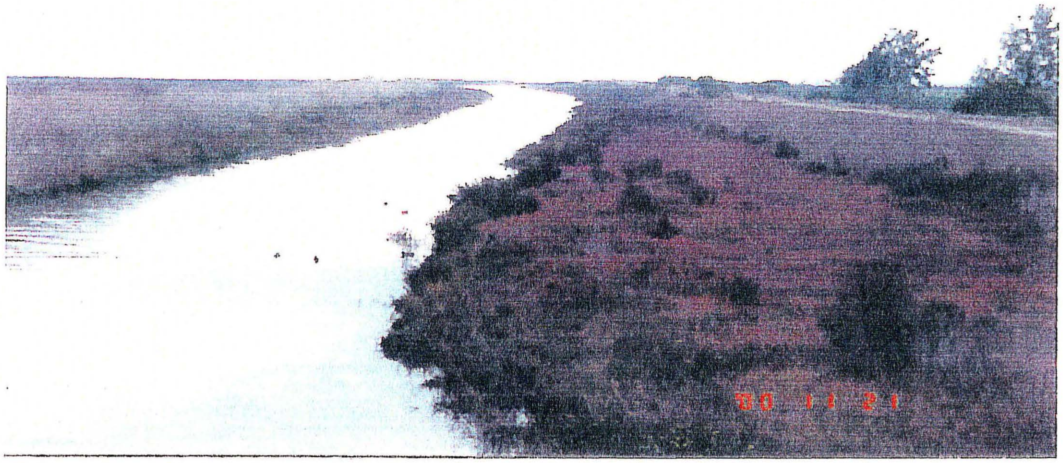
SHEET
8



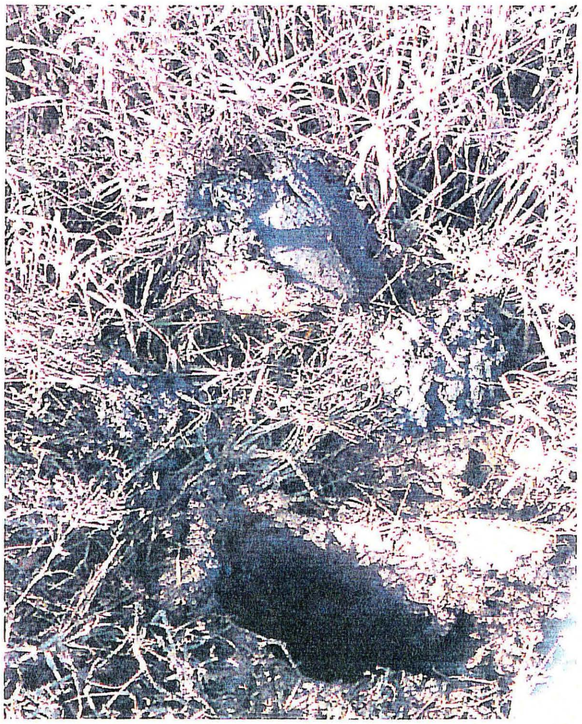
View of San Francisquito Creek immediately downstream of State Highway 101. Note lack of wetland veegtation along the toe of the channel; side slopes are vegetated with non-native upland plants, such as *Carpobrotus* and *Brassica*. These areas did not meet the criteria as wetlands.



View of south side of creek channel, upstream of the pedestrian bridge. The levee slope is vegetated with upland shrubs and non-native herbaceous plants; a *Salicornia* (OBL) and *Spartina* (OBL) – dominated wetland grows between the base of the levee and the channel bed. *Lepidium* (FACW) is present in some areas, as depicted on the photo. The marsh plain was determined to meet wetland criteria.



View of creek channel from the pedestrian bridge, looking downstream toward San Francisco Bay. The sediment deposit along the southern (right) bank of the channel is dominated by *Salicornia* (OBL) and *Spartina* (OBL), with lesser amounts of *Atriplex* (FACW) and *Grindelia* (FACW). The marsh plain was determined to meet wetland criteria.



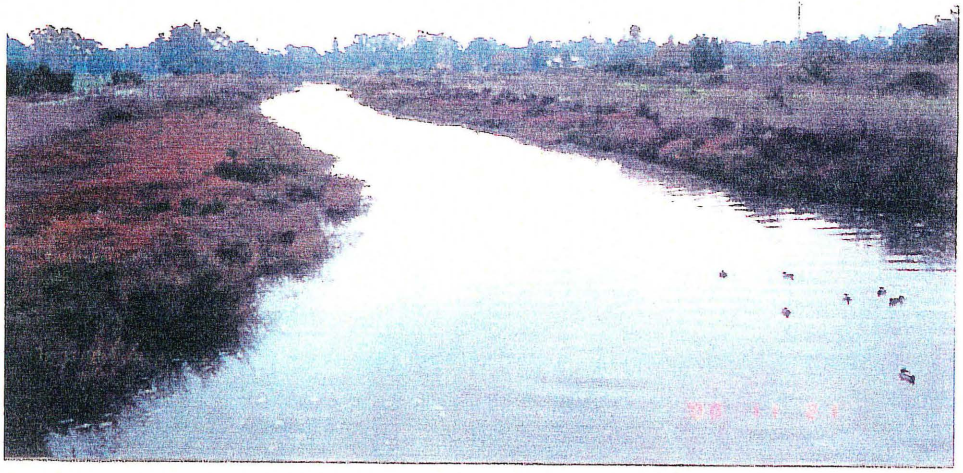
Soil sample from data point 15a (0-6", 10YR 4/3, 6-16", 2.5Y 2/0; Munsell notation). Note vegetation of *Salicornia* (OBL) and *Distichlis* (FACW). The site was determined to meet the wetland criteria.

View upstream of marsh plain at data point 10a; Vegetation dominated by *Spartina* (OBL). Soil sample was 5Y 4/1 at 8-16". Site meets criteria as wetland.

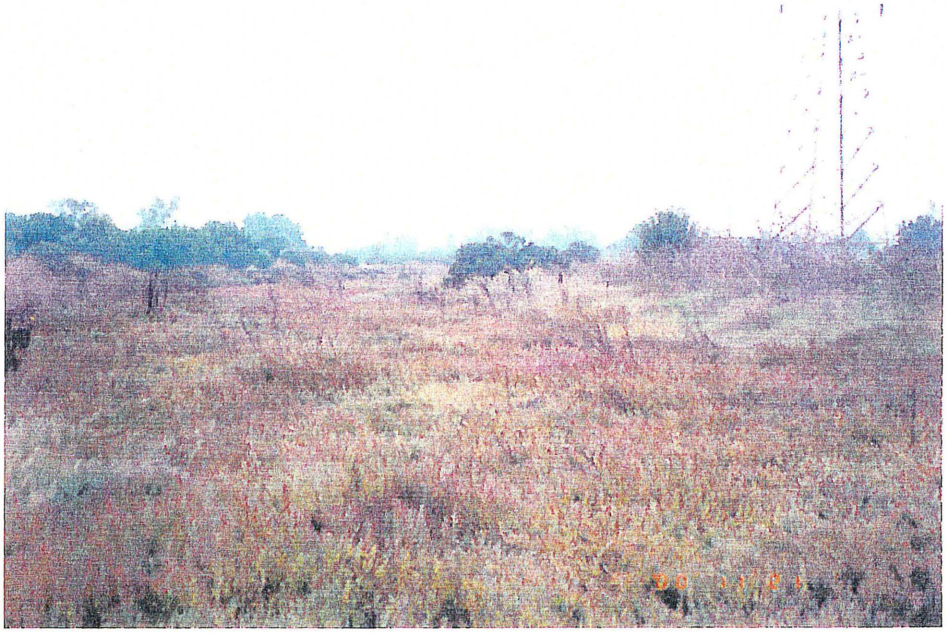
Data point 11a along south bank; vegetation is dominated by *Salicornia* (OBL). Soil sample was 10YR 3/3 with 10YR 4/6 mottles (Munsell notation). The site meets criteria as wetland.

Data point 7a along the south bank. Note the dominance by *Salicornia* (OBL) and *Distichlis* (FACW). Soil sample was sandy, 10YR 4/4 to 16". Wetland soils were evident below 16" (2.5Y 3/0). Site was determined to meet criteria as wetland.

Soil sample at data point 18a. Note sandy soil; these soils lie above a clay with Munsell notation 2.5Y 3/0. Vegetation at this location dominated by *Distichlis* (FACW). A narrow band of *Spartina* (OBL) grows along the channel edge.



View upstream from pedestrian bridge towards Highway 101. Note *Salicornia* (OBL) - dominated marsh on both right (north) and left (south) banks. March plain areas were determined to meet the criteria of wetlands.



Marsh plain south of the existing southern levee. Note dominance by *Salicornia* (OBL). Soil sample yielded wetland soil (10YR 3/2 with 10YR 5/5 mottles). Site was determined to meet wetland critieria.

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site:	San Francisquito Creek Project Area d/s 101	Date: 20 Nov 00
Applicant/Owner:	Santa Clara Valley Water District	County: Santa Clara
Investigator:	K. Lyons, Biotic Resources Group	State: CA

Do Normal Circumstances exist on the site? **Yes** No
Is the site significantly disturbed (Atypical Situation?) Yes **No**
Is the area a potential Problem Area? Yes **No**
(Is needed, explain on reverse.)

Community ID: ______
Transect ID: ______
Plot ID: #1

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Spartina foliosa	H	OBL	9.		
2. Salicornia virginica	H	OBL	10.		
3. Distichlis spicata	H	FACW	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 100%

Remarks:

HYDROLOGY

______ Recorded Data (Describe in Remarks):
______ Stream, Lake, or Tide Gauge
______ Aerial Photographs
______ Other
✓ No Recorded Data Available

Field Observations:

Depth of Surface Water: 0 (in.)

Depth to Free Water in Pit: — (in.)

Depth to Saturated Soil: 8 (in.)

Wetland Hydrology Indicators:
Primary Indicators:
______ Inundated
✓ Saturated in Upper 12 Inches
______ Water Marks
______ Drift Lines
✓ Sediment Deposits
______ Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
______ Oxidized Root Channels in Upper 12 Inches
______ Water-Stained Leaves
______ Local Soil Survey Data
______ FAC-Neutral Test
______ Other (Explain in Remarks)

Remarks:

SOILS **Plot ID#:** 1 **Page 2 0f 2**

Map Unit Name
(Series and Phase): ______________________ Drainage Class: ____________

Field Observations
Taxonomy (Subgroup): ______________________ Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0 - 6	A	10YR 4/2			Sandy (loam)
6 - 16	A	5Y N/1	—	—	Clay

Hydric Soil Indicators:

____ Histosol
____ Histic Epipedon
____ Sulfidic Odor
____ Aquic Moisture Regime
____ Reducing Conditions
✓ Gleyed or Low-Chroma Colors
____ Concretions
____ High Organic Content in Surface Layer in Sandy Soils
____ Organic Streaking in Sandy Soils
____ Listed on Local Hydric Soils List
____ Listed on National Hydric Soils List
____ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	[✓ Yes] No	
Wetland Hydrology Present?	[✓ Yes] No	
Hydric Soils Present?	[✓ Yes] No	Is this Sampling Point Within a Wetland? [✓ Yes] No

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site:	San Francisquito Creek Project Area, d/s 101	Date: 20 Nov 00
Applicant/Owner:	Santa Clara Valley Water District	County: Santa Clara
Investigator:	K. Lyons, Biotic Resources Group	State: CA

Do Normal Circumstances exist on the site? **Yes** No
Is the site significantly disturbed (Atypical Situation?) Yes **No**
Is the area a potential Problem Area? Yes **No**
(Is needed, explain on reverse.)

Community ID: ________
Transect ID: ________
Plot ID: #2

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Typha latifolia	H	OBL	9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 100%

Remarks:

HYDROLOGY

______ Recorded Data (Describe in Remarks):
- ______ Stream, Lake, or Tide Gauge
- ______ Aerial Photographs
- ______ Other

✓ No Recorded Data Available

Field Observations:

Depth of Surface Water: — (in.)

Depth to Free Water in Pit: — (in.)

Depth to Saturated Soil: 8 (in.)

Wetland Hydrology Indicators:
Primary Indicators:
- ________ Inundated
- ✓ Saturated in Upper 12 Inches
- ________ Water Marks
- ________ Drift Lines
- ________ Sediment Deposits
- ________ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ________ Oxidized Root Channels in Upper 12 Inches
- ________ Water-Stained Leaves
- ________ Local Soil Survey Data
- ________ FAC-Neutral Test
- ________ Other (Explain in Remarks)

Remarks:

SOILS

Plot ID#: 2

Map Unit Name
(Series and Phase): ____________________

Drainage Class: ____________

Field Observations
Confirm Mapped Type? Yes No

Taxonomy (Subgroup): ____________________

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16	A	5Y N/1	—	—	clay

Hydric Soil Indicators:

- ____ Histosol
- ____ Histic Epipedon
- ____ Sulfidic Odor
- ____ Aquic Moisture Regime
- ____ Reducing Conditions
- _✓_ Gleyed or Low-Chroma Colors
- ____ Concretions
- ____ High Organic Content in Surface Layer in Sandy Soils
- ____ Organic Streaking in Sandy Soils
- ____ Listed on Local Hydric Soils List
- ____ Listed on National Hydric Soils List
- ____ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? [✓ Yes] No
Wetland Hydrology Present? [✓ Yes] No
Hydric Soils Present? [✓ Yes] No

Is this Sampling Point Within a Wetland? [✓ Yes] No

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site:	San Francisquito Creek Project Area, d/s 101	Date: 11/20/00
Applicant/Owner:	Santa Clara Valley Water District	County: Santa Clara
Investigator:	K. Lyons, Biotic Resources Group	State: CA

Do Normal Circumstances exist on the site?	**Yes** No	Community ID:
Is the site significantly disturbed (Atypical Situation?)	Yes **No**	Transect ID:
Is the area a potential Problem Area? (Is needed, explain on reverse.)	Yes **No**	Plot ID: #3

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Salicornia virginica	h	OBL	9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 100%

Remarks:

HYDROLOGY

_____ Recorded Data (Describe in Remarks):
- _____ Stream, Lake, or Tide Gauge
- _____ Aerial Photographs
- _____ Other

✓ No Recorded Data Available

Field Observations:

Depth of Surface Water: — (in.)

Depth to Free Water in Pit: — (in.)

Depth to Saturated Soil: 6 (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- _____ Inundated
- ✓ Saturated in Upper 12 Inches
- _____ Water Marks
- _____ Drift Lines
- ✓ Sediment Deposits
- _____ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- _____ Oxidized Root Channels in Upper 12 Inches
- _____ Water-Stained Leaves
- _____ Local Soil Survey Data
- _____ FAC-Neutral Test
- _____ Other (Explain in Remarks)

Remarks:

SOILS Plot ID#: 3

Map Unit Name
(Series and Phase): ____________________ Drainage Class: ____________

Field Observations
Confirm Mapped Type? Yes No

Taxonomy (Subgroup): ____________________

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-12	A	5Y N/1	—	—	clay

Hydric Soil Indicators:

- ____ Histosol
- ____ Histic Epipedon
- ____ Sulfidic Odor
- ____ Aquic Moisture Regime
- ____ Reducing Conditions
- ✓ Gleyed or Low-Chroma Colors
- ____ Concretions
- ____ High Organic Content in Surface Layer in Sandy Soils
- ____ Organic Streaking in Sandy Soils
- ____ Listed on Local Hydric Soils List
- ____ Listed on National Hydric Soils List
- ____ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? [✓ Yes] No Wetland Hydrology Present? [✓ Yes] No Hydric Soils Present? [✓ Yes] No	Is this Sampling Point Within a Wetland? [✓ Yes] No

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site:	San Francisquito Creek Project Area, d/s 101	Date: 20 Nov 00
Applicant/Owner:	Santa Clara Valley Water District	County: Santa Clara
Investigator:	K. Lyons, Biotic Resources Group	State: CA

Do Normal Circumstances exist on the site?	**Yes** No	Community ID: ______
Is the site significantly disturbed (Atypical Situation?)	Yes **No**	Transect ID: ______
Is the area a potential Problem Area? (Is needed, explain on reverse.)	Yes **No**	Plot ID: #4

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Salicornia virginica	H	OBL	9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 100%

Remarks:

HYDROLOGY

_____ Recorded Data (Describe in Remarks):
  _____ Stream, Lake, or Tide Gauge
  _____ Aerial Photographs
  _____ Other
__✓__ No Recorded Data Available

Field Observations:

Depth of Surface Water: ___—___ (in.)

Depth to Free Water in Pit: ___—___ (in.)

Depth to Saturated Soil: ___6"___ (in.)

Wetland Hydrology Indicators:
Primary Indicators:
______Inundated
___✓___Saturated in Upper 12 Inches
______Water Marks
______Drift Lines
___✓___Sediment Deposits
______Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
______Oxidized Root Channels in Upper 12 Inches
______Water-Stained Leaves
______Local Soil Survey Data
______FAC-Neutral Test
______ Other (Explain in Remarks)

Remarks:

SOILS **Plot ID#:** 4 **Page 2 0f 2**

Map Unit Name
(Series and Phase): ______________________ Drainage Class: ______________

Field Observations
Confirm Mapped Type? Yes No

Taxonomy (Subgroup): ______________________

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-14	A	5Y N/1	—	—	clay

Hydric Soil Indicators:

_____ Histosol
_____ Histic Epipedon
_____ Sulfidic Odor
_____ Aquic Moisture Regime
_____ Reducing Conditions
__✓__ Gleyed or Low-Chroma Colors

_____ Concretions
_____ High Organic Content in Surface Layer in Sandy Soils
_____ Organic Streaking in Sandy Soils
_____ Listed on Local Hydric Soils List
_____ Listed on National Hydric Soils List
_____ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? [✓ Yes] No
Wetland Hydrology Present? [✓ Yes] No
Hydric Soils Present? [✓ Yes] No

Is this Sampling Point Within a Wetland? [✓ Yes] No

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: San Francisquito Creek Project Area, 9/5 101
Applicant/Owner: Santa Clara Valley Water District
Investigator: K. Lyons, Biotic Resources Group

Date: 20 Nov 00
County: Santa Clara
State: CA

Do Normal Circumstances exist on the site? **Yes** No
Is the site significantly disturbed (Atypical Situation?) Yes **No**
Is the area a potential Problem Area? Yes **No**
(Is needed, explain on reverse.)

Community ID: ____
Transect ID: ____
Plot ID: #5

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Salicornia virginica	H	OBL	9.		
2. Distichlis spicata	H	FACW	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 100%

Remarks:

HYDROLOGY

____ Recorded Data (Describe in Remarks):
  ____ Stream, Lake, or Tide Gauge
  ____ Aerial Photographs
  ____ Other
✓ No Recorded Data Available

Field Observations:

Depth of Surface Water: — (in.)

Depth to Free Water in Pit: — (in.)

Depth to Saturated Soil: 6" (in.)

Wetland Hydrology Indicators:
Primary Indicators:
____ Inundated
✓ Saturated in Upper 12 Inches
____ Water Marks
____ Drift Lines
✓ Sediment Deposits
____ Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
____ Oxidized Root Channels in Upper 12 Inches
____ Water-Stained Leaves
____ Local Soil Survey Data
____ FAC-Neutral Test
____ Other (Explain in Remarks)

Remarks:

SOILS **Plot ID#:** 5 **Page 2 Of 2**

Map Unit Name
(Series and Phase): ______________________ Drainage Class: ____________

Field Observations
Confirm Mapped Type? Yes No

Taxonomy (Subgroup): ______________________

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 4/2	—	—	sandy loam
6-14	A	5YN/1	—	—	clay

Hydric Soil Indicators:

_____ Histosol
_____ Histic Epipedon
_____ Sulfidic Odor
_____ Aquic Moisture Regime
_____ Reducing Conditions
✓ Gleyed or Low-Chroma Colors

_____ Concretions
_____ High Organic Content in Surface Layer in Sandy Soils
_____ Organic Streaking in Sandy Soils
_____ Listed on Local Hydric Soils List
_____ Listed on National Hydric Soils List
_____ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? [✓ Yes] No
Wetland Hydrology Present? [✓ Yes] No
Hydric Soils Present? [✓ Yes] No

Is this Sampling Point Within a Wetland? [✓ Yes] No

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site:	San Francisquito Creek Project Area, d/s 101	Date: 11/20/00
Applicant/Owner:	Santa Clara Valley Water District	County: Santa Clara
Investigator:	K. Lyons, Biotic Resources Group	State: CA

Do Normal Circumstances exist on the site? **Yes** No
Is the site significantly disturbed (Atypical Situation?) Yes **No**
Is the area a potential Problem Area? Yes **No**
(Is needed, explain on reverse.)

Community ID: ______
Transect ID: ______
Plot ID: #6A

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Typha sp.	h	OBL	9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 100%

Remarks:

HYDROLOGY

_____ Recorded Data (Describe in Remarks):
_____ Stream, Lake, or Tide Gauge
_____ Aerial Photographs
_____ Other
✓ No Recorded Data Available

Field Observations:

Depth of Surface Water: — (in.)
Depth to Free Water in Pit: — (in.)
Depth to Saturated Soil: 2" (in.)

Wetland Hydrology Indicators:
Primary Indicators:
_____ Inundated
✓ Saturated in Upper 12 Inches
_____ Water Marks
_____ Drift Lines
✓ Sediment Deposits
_____ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
_____ Oxidized Root Channels in Upper 12 Inches
_____ Water-Stained Leaves
_____ Local Soil Survey Data
_____ FAC-Neutral Test
_____ Other (Explain in Remarks)

Remarks:

SOILS **Plot ID#:** 6A **Page 2 0f 2**

Map Unit Name
(Series and Phase): ____________________
Drainage Class: ____________

Field Observations
Confirm Mapped Type? Yes No

Taxonomy (Subgroup): ____________________

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-12	A	5Y N/1	—	—	clay

Hydric Soil Indicators:

____ Histosol
____ Histic Epipedon
____ Sulfidic Odor
____ Aquic Moisture Regime
____ Reducing Conditions
✓ Gleyed or Low-Chroma Colors

____ Concretions
____ High Organic Content in Surface Layer in Sandy Soils
____ Organic Streaking in Sandy Soils
____ Listed on Local Hydric Soils List
____ Listed on National Hydric Soils List
____ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? [✓ Yes] No
Wetland Hydrology Present? [✓ Yes] No
Hydric Soils Present? [✓ Yes] No

Is this Sampling Point Within a Wetland? [✓ Yes] No

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: San Francisquito Creek Project Area
Applicant/Owner: Santa Clara Valley Water District
Investigator: K. Lyons, Biotic Resources Group

Date: 20 Nov 00
County: Santa Clara
State: CA

Do Normal Circumstances exist on the site? **Yes** No
Is the site significantly disturbed (Atypical Situation?) Yes **No**
Is the area a potential Problem Area? Yes **No**
(Is needed, explain on reverse.)

Community ID: ____
Transect ID: ____
Plot ID: #6B

VEGETATION

Dominant Plant Species	**Stratum**	**Indicator**	**Dominant Plant Species**	**Stratum**	**Indicator**
1. Salicornia virginica	H	OBL	9.		
2. Plantago major	H	FACW-	10.		
3. Spartina foliosa	H	OBL	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 100%

Remarks:

HYDROLOGY

____ Recorded Data (Describe in Remarks):
____ Stream, Lake, or Tide Gauge
____ Aerial Photographs
____ Other
✓ No Recorded Data Available

Field Observations:

Depth of Surface Water: — (in.)

Depth to Free Water in Pit: — (in.)

Depth to Saturated Soil: 8" (in.)

Wetland Hydrology Indicators:
Primary Indicators:
____ Inundated
✓ Saturated in Upper 12 Inches
____ Water Marks
____ Drift Lines
✓ Sediment Deposits
____ Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
____ Oxidized Root Channels in Upper 12 Inches
____ Water-Stained Leaves
____ Local Soil Survey Data
____ FAC-Neutral Test
____ Other (Explain in Remarks)

Remarks:

SOILS **Plot ID#:** 6B **Page 2 0f 2**

Map Unit Name
(Series and Phase): ____________________ Drainage Class: ______________

Field Observations
Taxonomy (Subgroup): ____________________ Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 4/2	—	—	sandy
6-12	A	5Y N/1	—	—	clay

Hydric Soil Indicators:

____ Histosol
____ Histic Epipedon
____ Sulfidic Odor
____ Aquic Moisture Regime
____ Reducing Conditions
_✓_ Gleyed or Low-Chroma Colors
____ Concretions
____ High Organic Content in Surface Layer in Sandy Soils
____ Organic Streaking in Sandy Soils
____ Listed on Local Hydric Soils List
____ Listed on National Hydric Soils List
____ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? [✓ Yes] No
Wetland Hydrology Present? [✓ Yes] No
Hydric Soils Present? [✓ Yes] No

Is this Sampling Point Within a Wetland? [✓ Yes] No

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: San Francisquito Creek Project Area, 9/s 101
Applicant/Owner: Santa Clara Valley Water District
Investigator: K. Lyons, Biotic Resources Group

Date: 20 Nov 00
County: Santa Clara
State: CA

Do Normal Circumstances exist on the site? **Yes** No
Is the site significantly disturbed (Atypical Situation?) Yes **No**
Is the area a potential Problem Area? Yes **No**
(Is needed, explain on reverse.)

Community ID: ______
Transect ID: ______
Plot ID: #6C

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Grindelia ~~humilis~~ stricta	H	FACW	9.		
2. Atriplex ~~patula~~ triangularis	H	FACW	10.		
3. Salicornia virginica	H	OBL	11.		
4. Distichlis spicata	H	FACW	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 100%

Remarks:

HYDROLOGY

_____ Recorded Data (Describe in Remarks):
    _____ Stream, Lake, or Tide Gauge
    _____ Aerial Photographs
    _____ Other
✓ No Recorded Data Available

Field Observations:

Depth of Surface Water: — (in.)

Depth to Free Water in Pit: — (in.)

Depth to Saturated Soil: — (in.)

Wetland Hydrology Indicators:
Primary Indicators:
_____ Inundated
_____ Saturated in Upper 12 Inches
_____ Water Marks
_____ Drift Lines
✓ Sediment Deposits
_____ Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
_____ Oxidized Root Channels in Upper 12 Inches
_____ Water-Stained Leaves
_____ Local Soil Survey Data
_____ FAC-Neutral Test
_____ Other (Explain in Remarks)

Remarks: positive hydrology inferred from sediment deposits that have accumulated within channel bed.

SOILS Plot ID#: 6C Page 2 0f 2

Map Unit Name
(Series and Phase): ____________ Drainage Class: ____________

Field Observations
Confirm Mapped Type? Yes No

Taxonomy (Subgroup): ____________

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16	A	10YR 4/4	—	—	Sand

Hydric Soil Indicators:

____ Histosol
____ Histic Epipedon
____ Sulfidic Odor
____ Aquic Moisture Regime
____ Reducing Conditions
____ Gleyed or Low-Chroma Colors

____ Concretions
____ High Organic Content in Surface Layer in Sandy Soils
____ Organic Streaking in Sandy Soils
____ Listed on Local Hydric Soils List
____ Listed on National Hydric Soils List
____ Other (Explain in Remarks)

Remarks: positive hydric soil present beneath sediment deposit

WETLAND DETERMINATION

Hydrophytic Vegetation Present? [✓ Yes] No
Wetland Hydrology Present? [✓ Yes] No, inferred
Hydric Soils Present? [✓ Yes] No inferred

Is this Sampling Point Within a Wetland? [✓ Yes] No

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site:	San Francisquito Creek Project Area, d/s 101	Date: 21 Mar 00
Applicant/Owner:	Santa Clara Valley Water District	County: Santa Clara
Investigator:	K. Lyons, Biotic Resources Group	State: CA

Do Normal Circumstances exist on the site? **Yes** No
Is the site significantly disturbed (Atypical Situation?) Yes **No**
Is the area a potential Problem Area? Yes **No**
(Is needed, explain on reverse.)

Community ID: ______
Transect ID: ______
Plot ID: 6D

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Malva sp	H	NI	9.		
2. Avena sp.	H	UPL	10.		
3. Lolium multiflor	H	FAC	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 33%

Remarks:

HYDROLOGY

_____ Recorded Data (Describe in Remarks):
_____ Stream, Lake, or Tide Gauge
_____ Aerial Photographs
_____ Other
✓ No Recorded Data Available

Field Observations:

Depth of Surface Water: — (in.)

Depth to Free Water in Pit: — (in.)

Depth to Saturated Soil: 0 (in.)

Wetland Hydrology Indicators:
Primary Indicators:
_____ Inundated
_____ Saturated in Upper 12 Inches
_____ Water Marks
_____ Drift Lines
_____ Sediment Deposits
_____ Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
_____ Oxidized Root Channels in Upper 12 Inches
_____ Water-Stained Leaves
_____ Local Soil Survey Data
_____ FAC-Neutral Test
_____ Other (Explain in Remarks)

Remarks:

SOILS **Plot ID#:** 6D **Page 2 0f 2**

Map Unit Name
(Series and Phase): ____________________

Drainage Class: ____________

Field Observations
Confirm Mapped Type? Yes No

Taxonomy (Subgroup): ____________________

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16	A	10 YR 4/4	—	—	sandy

Hydric Soil Indicators:

- _____ Histosol
- _____ Histic Epipedon
- _____ Sulfidic Odor
- _____ Aquic Moisture Regime
- _____ Reducing Conditions
- _____ Gleyed or Low-Chroma Colors
- _____ Concretions
- _____ High Organic Content in Surface Layer in Sandy Soils
- _____ Organic Streaking in Sandy Soils
- _____ Listed on Local Hydric Soils List
- _____ Listed on National Hydric Soils List
- _____ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes [✓ No]
Wetland Hydrology Present? Yes [✓ No]
Hydric Soils Present? Yes [✓ No]

Is this Sampling Point Within a Wetland? Yes [✓ No]

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site:	San Francisquito Creek Project Area , d/s 101	Date: 20 Nov 00
Applicant/Owner:	Santa Clara Valley Water District	County: Santa Clara
Investigator:	K. Lyons, Biotic Resources Group	State: CA

Do Normal Circumstances exist on the site?	**Yes** No	Community ID:
Is the site significantly disturbed (Atypical Situation?)	Yes **No**	Transect ID:
Is the area a potential Problem Area? (Is needed, explain on reverse.)	Yes **No**	Plot ID: #7A

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Salicornia virginica	H	OBL	9.		
2. Distichlis spicata	H	FACW	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 100%

Remarks:

HYDROLOGY

____ Recorded Data (Describe in Remarks):
- ____ Stream, Lake, or Tide Gauge
- ____ Aerial Photographs
- ____ Other

✓ No Recorded Data Available

Field Observations:

Depth of Surface Water: — (in.)

Depth to Free Water in Pit: — (in.)

Depth to Saturated Soil: — (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ____ Inundated
- ____ Saturated in Upper 12 Inches
- ____ Water Marks
- ____ Drift Lines
- ✓ Sediment Deposits
- ____ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ____ Oxidized Root Channels in Upper 12 Inches
- ____ Water-Stained Leaves
- ____ Local Soil Survey Data
- ____ FAC-Neutral Test
- ____ Other (Explain in Remarks)

Remarks: positive hydrology inferred from sediment deposit that has accumulated within channel bed.

SOILS **Plot ID#:** 7A **Page 2 0f 2**

Map Unit Name
(Series and Phase): ____________________

Drainage Class: ____________

Field Observations
Confirm Mapped Type? Yes No

Taxonomy (Subgroup): ____________________

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16	A	10YR4/4	—	—	Sand

Hydric Soil Indicators:

____ Histosol
____ Histic Epipedon
____ Sulfidic Odor
____ Aquic Moisture Regime
____ Reducing Conditions
____ Gleyed or Low-Chroma Colors

____ Concretions
____ High Organic Content in Surface Layer in Sandy Soils
____ Organic Streaking in Sandy Soils
____ Listed on Local Hydric Soils List
____ Listed on National Hydric Soils List
____ Other (Explain in Remarks)

Remarks: positive hydric soil present beneath sediment deposit

WETLAND DETERMINATION

Hydrophytic Vegetation Present? [✓ Yes] No
Wetland Hydrology Present? [✓ Yes] No, inferred
Hydric Soils Present? [✓ Yes] No, inferred

Is this Sampling Point Within a Wetland? [✓ Yes] No

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: San Francisquito Creek Project Area, 9/5/01 Applicant/Owner: Santa Clara Valley Water District Investigator: K. Lyons, Biotic Resources Group	Date: 20 Nov 00 County: Santa Clara State: CA
Do Normal Circumstances exist on the site? **Yes** No Is the site significantly disturbed (Atypical Situation?) Yes **No** Is the area a potential Problem Area? Yes **No** (Is needed, explain on reverse.)	Community ID: ____ Transect ID: ____ Plot ID: 7B

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Salicornia virginica	h	OBL	9.		
2. spartina foliosa	h	OBL	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 100%

Remarks:

HYDROLOGY

____ Recorded Data (Describe in Remarks): ____ Stream, Lake, or Tide Gauge ____ Aerial Photographs ____ Other ✓ No Recorded Data Available Field Observations: Depth of Surface Water: — (in.) Depth to Free Water in Pit: — (in.) Depth to Saturated Soil: 3 (in.)	Wetland Hydrology Indicators: Primary Indicators: ____ Inundated ✓ Saturated in Upper 12 Inches ____ Water Marks ____ Drift Lines ____ Sediment Deposits ____ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ✓ Oxidized Root Channels in Upper 12 Inches ____ Water-Stained Leaves ____ Local Soil Survey Data ____ FAC-Neutral Test ____ Other (Explain in Remarks)

Remarks:

SOILS **Plot ID#:** 7B **Page 2 0f 2**

Map Unit Name
(Series and Phase): ____________________
Drainage Class: ____________
Field Observations
Confirm Mapped Type? Yes No
Taxonomy (Subgroup): ____________________

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-7	A	10YR4/4	—	—	Sand
7-12		10YR4/2	—	—	Sand/Clay
12-16		2.5Y3/0	—	—	Clay

Hydric Soil Indicators:

- ____ Histosol
- ____ Histic Epipedon
- ✓ Sulfidic Odor
- ____ Aquic Moisture Regime
- ____ Reducing Conditions
- ✓ Gleyed or Low-Chroma Colors
- ____ Concretions
- ____ High Organic Content in Surface Layer in Sandy Soils
- ____ Organic Streaking in Sandy Soils
- ____ Listed on Local Hydric Soils List
- ____ Listed on National Hydric Soils List
- ____ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? [✓ Yes] No
Wetland Hydrology Present? [✓ Yes] No
Hydric Soils Present? [✓ Yes] No

Is this Sampling Point Within a Wetland? [✓ Yes] No

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site:	San Francisquito Creek Project Area, 9/5/01	Date: 20 Nov 00
Applicant/Owner:	Santa Clara Valley Water District	County: Santa Clara
Investigator:	K. Lyons, Biotic Resources Group	State: CA

Do Normal Circumstances exist on the site?	**Yes** No	Community ID: ______
Is the site significantly disturbed (Atypical Situation?)	Yes **No**	Transect ID: ______
Is the area a potential Problem Area? (Is needed, explain on reverse.)	Yes **No**	Plot ID: #8

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Spartina foliosa	H	OBL	9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 100%

Remarks:

HYDROLOGY

_____ Recorded Data (Describe in Remarks):
  _____ Stream, Lake, or Tide Gauge
  _____ Aerial Photographs
  _____ Other
✓ No Recorded Data Available

Field Observations:

Depth of Surface Water: — (in.)

Depth to Free Water in Pit: — (in.)

Depth to Saturated Soil: — (in.)

Wetland Hydrology Indicators:
Primary Indicators:
_____ Inundated
_____ Saturated in Upper 12 Inches
_____ Water Marks
_____ Drift Lines
✓ Sediment Deposits
_____ Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
_____ Oxidized Root Channels in Upper 12 Inches
_____ Water-Stained Leaves
_____ Local Soil Survey Data
_____ FAC-Neutral Test
_____ Other (Explain in Remarks)

Remarks: positive hydrology inferred since sediment deposits have accumulated within channel bed.

SOILS **Plot ID#:** 8 **Page 2 0f 2**

Map Unit Name
(Series and Phase): ____________________

Drainage Class: ____________

Field Observations
Confirm Mapped Type? Yes No

Taxonomy (Subgroup): ____________________

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16	A	10YR 4/4	—	—	sandy

Hydric Soil Indicators:

____ Histosol
____ Histic Epipedon
____ Sulfidic Odor
____ Aquic Moisture Regime
____ Reducing Conditions
____ Gleyed or Low-Chroma Colors

____ Concretions
____ High Organic Content in Surface Layer in Sandy Soils
____ Organic Streaking in Sandy Soils
____ Listed on Local Hydric Soils List
____ Listed on National Hydric Soils List
____ Other (Explain in Remarks)

Remarks: positive soils present beneath sediment deposit

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	[✓ Yes] No	
Wetland Hydrology Present?	[✓ Yes] No, inferred	
Hydric Soils Present?	[✓ Yes] No, inferred	Is this Sampling Point Within a Wetland? [✓ Yes] No

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: San Francisquito Creek Project Area, d/s 101 Applicant/Owner: Santa Clara Valley Water District Investigator: K. Lyons, Biotic Resources Group	Date: 20 Nov 00 County: Santa Clara State: CA
Do Normal Circumstances exist on the site? **Yes** No Is the site significantly disturbed (Atypical Situation?) Yes **No** Is the area a potential Problem Area? Yes **No** (Is needed, explain on reverse.)	Community ID: ____ Transect ID: ____ Plot ID: 9A

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Salicornia virginica	h	OBL	9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 100%

Remarks:

HYDROLOGY

____ Recorded Data (Describe in Remarks):
- ____ Stream, Lake, or Tide Gauge
- ____ Aerial Photographs
- ____ Other

✓ No Recorded Data Available

Field Observations:

Depth of Surface Water: — (in.)

Depth to Free Water in Pit: — (in.)

Depth to Saturated Soil: — (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ____ Inundated
- ____ Saturated in Upper 12 Inches
- ____ Water Marks
- ____ Drift Lines
- ✓ Sediment Deposits
- ____ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ✓ Oxidized Root Channels in Upper 12 Inches
- ____ Water-Stained Leaves
- ____ Local Soil Survey Data
- ____ FAC-Neutral Test
- ____ Other (Explain in Remarks)

Remarks: positive hydrology inferred since sediments have accumulated within the channel

SOILS **Plot ID#:** 9A **Page 2 0f 2**

Map Unit Name
(Series and Phase): ____________ Drainage Class: ____________

Field Observations
Confirm Mapped Type? Yes No

Taxonomy (Subgroup): ____________

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16	A	10YR 4/4	—	—	sandy

Hydric Soil Indicators:

- ____ Histosol
- ____ Histic Epipedon
- ____ Sulfidic Odor
- ____ Aquic Moisture Regime
- ____ Reducing Conditions
- ____ Gleyed or Low-Chroma Colors
- ____ Concretions
- ____ High Organic Content in Surface Layer in Sandy Soils
- ____ Organic Streaking in Sandy Soils
- ____ Listed on Local Hydric Soils List
- ____ Listed on National Hydric Soils List
- ____ Other (Explain in Remarks)

Remarks: positive hydric soils present beneath sediment deposit

WETLAND DETERMINATION

Hydrophytic Vegetation Present? [✓ Yes] No
Wetland Hydrology Present? [✓ Yes] No, inferred
Hydric Soils Present? [✓ Yes] No, inferred

Is this Sampling Point Within a Wetland? [✓ Yes] No

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: San Francisquito Creek Project Area, d/s 101
Applicant/Owner: Santa Clara Valley Water District
Investigator: K. Lyons, Biotic Resources Group

Date: 20 Nov 00
County: Santa Clara
State: CA

Do Normal Circumstances exist on the site? **Yes** No
Is the site significantly disturbed (Atypical Situation?) Yes **No**
Is the area a potential Problem Area? Yes **No**
(Is needed, explain on reverse.)

Community ID: ______
Transect ID: ______
Plot ID: 9B

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Salicornia virginica	H	OBL	9.		
2. Spartina foliosa	H	OBL	10.		
3. Grindelia ~~humilis~~ stricta	H	FACW	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 100%

Remarks:

HYDROLOGY

_____ Recorded Data (Describe in Remarks):
_____ Stream, Lake, or Tide Gauge
_____ Aerial Photographs
_____ Other
✓ No Recorded Data Available

Field Observations:

Depth of Surface Water: — (in.)

Depth to Free Water in Pit: — (in.)

Depth to Saturated Soil: 0 (in.)

Wetland Hydrology Indicators:
Primary Indicators:
_____ Inundated
✓ Saturated in Upper 12 Inches
_____ Water Marks
✓ Drift Lines
_____ Sediment Deposits
_____ Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
✓ Oxidized Root Channels in Upper 12 Inches
_____ Water-Stained Leaves
_____ Local Soil Survey Data
_____ FAC-Neutral Test
_____ Other (Explain in Remarks)

Remarks:

SOILS **Plot ID#:** 9B **Page 2 0f 2**

Map Unit Name
(Series and Phase): ____________________
Drainage Class: ____________
Field Observations
Confirm Mapped Type? Yes No
Taxonomy (Subgroup): ____________________

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-10	A	10YR 4/1	—	—	Clay
10-16		5YN/1	—	—	Clay

Hydric Soil Indicators:

- ____ Histosol
- ____ Histic Epipedon
- ✓ Sulfidic Odor
- ____ Aquic Moisture Regime
- ____ Reducing Conditions
- ✓ Gleyed or Low-Chroma Colors
- ____ Concretions
- ____ High Organic Content in Surface Layer in Sandy Soils
- ____ Organic Streaking in Sandy Soils
- ____ Listed on Local Hydric Soils List
- ____ Listed on National Hydric Soils List
- ____ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? [✓ Yes] No
Wetland Hydrology Present? [✓ Yes] No
Hydric Soils Present? [✓ Yes] No

Is this Sampling Point Within a Wetland? [✓ Yes] No

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: San Francisquito Creek Project Area , d/s 101
Applicant/Owner: Santa Clara Valley Water District
Investigator: K. Lyons, Biotic Resources Group

Date: 20 Nov 00
County: Santa Clara
State: CA

Do Normal Circumstances exist on the site? **Yes** No
Is the site significantly disturbed (Atypical Situation?) Yes **No**
Is the area a potential Problem Area? Yes **No**
(Is needed, explain on reverse.)

Community ID: ______
Transect ID: ______
Plot ID: 10A

sediment deposit

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Spartina foliosa	H	OBL	9.		
2. Salicornia virginica	H	OBL	10.		
3. Distichlis spicata	H	FACW	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 100%

Remarks:

HYDROLOGY

____ Recorded Data (Describe in Remarks):
____ Stream, Lake, or Tide Gauge
____ Aerial Photographs
____ Other
✓ No Recorded Data Available

Field Observations:

Depth of Surface Water: — (in.)

Depth to Free Water in Pit: — (in.)

Depth to Saturated Soil: 0 (in.)

Wetland Hydrology Indicators:
Primary Indicators:
____ Inundated
✓ Saturated in Upper 12 Inches
____ Water Marks
____ Drift Lines
✓ Sediment Deposits
____ Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
____ Oxidized Root Channels in Upper 12 Inches
____ Water-Stained Leaves
____ Local Soil Survey Data
____ FAC-Neutral Test
____ Other (Explain in Remarks)

Remarks:

SOILS **Plot ID#:** 10A **Page 2 Of 2**

Map Unit Name
(Series and Phase): ____________________
Drainage Class: ____________

Field Observations
Confirm Mapped Type? Yes No

Taxonomy (Subgroup): ____________________

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-8	A	10YR 4/4	—	—	Sand
8-16		5Y 4/1	—	—	Clay

Hydric Soil Indicators:

____ Histosol
____ Histic Epipedon
✓ Sulfidic Odor
____ Aquic Moisture Regime
____ Reducing Conditions
✓ Gleyed or Low-Chroma Colors

____ Concretions
____ High Organic Content in Surface Layer in Sandy Soils
____ Organic Streaking in Sandy Soils
____ Listed on Local Hydric Soils List
____ Listed on National Hydric Soils List
____ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? [✓ Yes] No
Wetland Hydrology Present? [✓ Yes] No
Hydric Soils Present? [✓ Yes] No

Is this Sampling Point Within a Wetland? [✓ Yes] No

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: San Francisquito Creek Project Area, d/s 101
Applicant/Owner: Santa Clara Valley Water District
Investigator: K. Lyons, Biotic Resources Group

Date: 20 Nov 00
County: Santa Clara
State: CA

Do Normal Circumstances exist on the site? **Yes** No
Is the site significantly disturbed (Atypical Situation?) Yes **No**
Is the area a potential Problem Area? Yes **No**
(Is needed, explain on reverse.)

Community ID: ______
Transect ID: ______
Plot ID: 10B

levee edge

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Baccharis pilularis	H	NI	9.		
2. Conium maculatum	H	FAC	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 50%

Remarks:

HYDROLOGY

_____ Recorded Data (Describe in Remarks):
_____ Stream, Lake, or Tide Gauge
_____ Aerial Photographs
_____ Other
✓ No Recorded Data Available

Field Observations:

Depth of Surface Water: — (in.)

Depth to Free Water in Pit: — (in.)

Depth to Saturated Soil: — (in.)

Wetland Hydrology Indicators:
Primary Indicators:
_____ Inundated
_____ Saturated in Upper 12 Inches
_____ Water Marks
_____ Drift Lines
_____ Sediment Deposits
_____ Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
_____ Oxidized Root Channels in Upper 12 Inches
_____ Water-Stained Leaves
_____ Local Soil Survey Data
_____ FAC-Neutral Test
_____ Other (Explain in Remarks)

Remarks:

SOILS **Plot ID#:** 10B

Map Unit Name
(Series and Phase): ____________________ Drainage Class: ____________

Field Observations
Confirm Mapped Type? Yes No

Taxonomy (Subgroup): ____________________

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 4/4	—	—	Sand

Hydric Soil Indicators:

____ Histosol
____ Histic Epipedon
____ Sulfidic Odor
____ Aquic Moisture Regime
____ Reducing Conditions
____ Gleyed or Low-Chroma Colors

____ Concretions
____ High Organic Content in Surface Layer in Sandy Soils
____ Organic Streaking in Sandy Soils
____ Listed on Local Hydric Soils List
____ Listed on National Hydric Soils List
____ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes [✓ No]
Wetland Hydrology Present? Yes [✓ No]
Hydric Soils Present? Yes [✓ No]

Is this Sampling Point Within a Wetland? Yes [✓ No]

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site:	San Francisquito Creek Project Area	Date: 20 Nov 00
Applicant/Owner:	Santa Clara Valley Water District	County: Santa Clara
Investigator:	K. Lyons, Biotic Resources Group	State: CA

Do Normal Circumstances exist on the site?	**Yes** No	Community ID:
Is the site significantly disturbed (Atypical Situation?)	Yes **No**	Transect ID:
Is the area a potential Problem Area? (Is needed, explain on reverse.)	Yes **No**	Plot ID: 11A

sediment bar

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Salicornia virginica	H	OBL	9.		
2. Frankenia grandiflora	H	FACW	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 100%

Remarks:

HYDROLOGY

____ Recorded Data (Describe in Remarks):
  ____ Stream, Lake, or Tide Gauge
  ____ Aerial Photographs
  ____ Other
__✓__ No Recorded Data Available

Field Observations:

Depth of Surface Water: — (in.)

Depth to Free Water in Pit: — (in.)

Depth to Saturated Soil: 0 (in.)

Wetland Hydrology Indicators:
Primary Indicators:
____ Inundated
__✓__ Saturated in Upper 12 Inches
____ Water Marks
____ Drift Lines
____ Sediment Deposits
____ Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
__✓__ Oxidized Root Channels in Upper 12 Inches
____ Water-Stained Leaves
____ Local Soil Survey Data
____ FAC-Neutral Test
____ Other (Explain in Remarks)

Remarks:

SOILS **Plot ID#:** 11 A **Page 2 0f 2**

Map Unit Name
(Series and Phase): ____________________
Drainage Class: ____________
Field Observations
Confirm Mapped Type? Yes No
Taxonomy (Subgroup): ____________________

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16	A	10YR 3/3	10YR 4/6	Common faint	Sandy/Clay (loam)

Hydric Soil Indicators:

____ Histosol
____ Histic Epipedon
____ Sulfidic Odor
____ Aquic Moisture Regime
✓ Reducing Conditions
____ Gleyed or Low-Chroma Colors

____ Concretions
____ High Organic Content in Surface Layer in Sandy Soils
____ Organic Streaking in Sandy Soils
____ Listed on Local Hydric Soils List
____ Listed on National Hydric Soils List
____ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? [✓ Yes] No
Wetland Hydrology Present? [✓ Yes] No
Hydric Soils Present? [✓ Yes] No

Is this Sampling Point Within a Wetland? [✓ Yes] No

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site:	San Francisquito Creek Project Area	Date: 20 Nov 00
Applicant/Owner:	Santa Clara Valley Water District	County: Santa Clara
Investigator:	K. Lyons, Biotic Resources Group	State: CA

Do Normal Circumstances exist on the site? **Yes** No / d/s 101
Is the site significantly disturbed (Atypical Situation?) Yes **No**
Is the area a potential Problem Area? Yes **No**
(Is needed, explain on reverse.)

Community ID:
Transect ID:
Plot ID: 11-B

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Atriplex triangularis ~~[illegible]~~	H	FACW	9.		
2. Salicornia virginica	H	OBL	10.		
3. Spartina foliosa	H	OBL	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 100%

Remarks:

HYDROLOGY

_____ Recorded Data (Describe in Remarks):
_____ Stream, Lake, or Tide Gauge
_____ Aerial Photographs
_____ Other
✓ No Recorded Data Available

Field Observations:

Depth of Surface Water: — (in.)

Depth to Free Water in Pit: — (in.)

Depth to Saturated Soil: 8" (in.)

Wetland Hydrology Indicators:
Primary Indicators:
_____ Inundated
✓ Saturated in Upper 12 Inches
_____ Water Marks
_____ Drift Lines
✓ Sediment Deposits
_____ Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
_____ Oxidized Root Channels in Upper 12 Inches
_____ Water-Stained Leaves
_____ Local Soil Survey Data
_____ FAC-Neutral Test
_____ Other (Explain in Remarks)

Remarks:

SOILS **Plot ID#:** 11B **Page 2 0f 2**

Map Unit Name
(Series and Phase): ____________________

Drainage Class: ____________

Field Observations
Confirm Mapped Type? Yes No

Taxonomy (Subgroup): ____________________

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 4/4	—	—	Sand

Hydric Soil Indicators:

_____ Histosol
_____ Histic Epipedon
_____ Sulfidic Odor
_____ Aquic Moisture Regime
_____ Reducing Conditions
_____ Gleyed or Low-Chroma Colors

_____ Concretions
_____ High Organic Content in Surface Layer in Sandy Soils
_____ Organic Streaking in Sandy Soils
_____ Listed on Local Hydric Soils List
_____ Listed on National Hydric Soils List
_____ Other (Explain in Remarks)

Remarks: positive soil inferred since sediments are deposited over hydric soils

WETLAND DETERMINATION

Hydrophytic Vegetation Present? [✓ Yes] No
Wetland Hydrology Present? [✓ Yes] No
Hydric Soils Present? [✓ Yes] No, inferred

Is this Sampling Point Within a Wetland? [✓ Yes] No

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

'roject/Site:	San Francisquito Creek Project Area , d/s 101	Date: 11/20/00
.pplicant/Owner:	Santa Clara Valley Water District	County: Santa Clara
Investigator:	K. Lyons, Biotic Resources Group	State: CA

)o Normal Circumstances exist on the site?	**Yes** No	Community ID:
.s the site significantly disturbed (Atypical Situation?)	Yes **No**	Transect ID:
Is the area a potential Problem Area? (Is needed, explain on reverse.)	Yes **No**	Plot ID: 11C

on levee edge

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Baccharis pilularis	S	UPL	9.		
:. Avena sp.	H	UPL	10.		
3.			11.		
ŀ.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) —

Remarks:

HYDROLOGY

_____ Recorded Data (Describe in Remarks): _____ Stream, Lake, or Tide Gauge _____ Aerial Photographs _____ Other ✓ No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands
Field Observations: Depth of Surface Water: — (in.) Depth to Free Water in Pit: — (in.) Depth to Saturated Soil: — (in.)	Secondary Indicators (2 or more required): _____ Oxidized Root Channels in Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)

Remarks:

ILS **Plot ID#:** 11C **Page 2 0f 2**

ap Unit Name
Series and Phase): ____________________ Drainage Class: ____________

Field Observations
axonomy (Subgroup): ____________________ Confirm Mapped Type? Yes No

rofile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 4/5	—	—	sandy loam

ydric Soil Indicators:

____ Histosol
____ Histic Epipedon
____ Sulfidic Odor
____ Aquic Moisture Regime
____ Reducing Conditions
____ Gleyed or Low-Chroma Colors
____ Concretions
____ High Organic Content in Surface Layer in Sandy Soils
____ Organic Streaking in Sandy Soils
____ Listed on Local Hydric Soils List
____ Listed on National Hydric Soils List
____ Other (Explain in Remarks)

Remarks:

ETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes [✓ No]
Wetland Hydrology Present? Yes [✓ No]
Hydric Soils Present? Yes [✓ No]

Is this Sampling Point Within a Wetland? Yes [✓ No]

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: San Francisquito Creek Project Area, d/s 101
Applicant/Owner: Santa Clara Valley Water District
Investigator: K. Lyons, Biotic Resources Group

Date: 20 Nov 00
County: Santa Clara
State: CA

Do Normal Circumstances exist on the site? **Yes** No
Is the site significantly disturbed (Atypical Situation?) Yes **No**
Is the area a potential Problem Area? Yes **No**
(Is needed, explain on reverse.)

Community ID: ______
Transect ID: ______
Plot ID: 12A

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Salicornia virginica	H	OBL	9.		
2. Lepidium latifolium	H	FACW	10.		
3. Frankenia grandifolia	H	FACW	11.		
4. Spartina foliosa	H	OBL	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 100%

Remarks:

HYDROLOGY

_____ Recorded Data (Describe in Remarks):
- _____ Stream, Lake, or Tide Gauge
- _____ Aerial Photographs
- _____ Other

✓ No Recorded Data Available

Field Observations:

Depth of Surface Water: — (in.)

Depth to Free Water in Pit: — (in.)

Depth to Saturated Soil: 6" (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- _____ Inundated
- ✓ Saturated in Upper 12 Inches
- _____ Water Marks
- _____ Drift Lines
- ✓ Sediment Deposits
- _____ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- _____ Oxidized Root Channels in Upper 12 Inches
- _____ Water-Stained Leaves
- _____ Local Soil Survey Data
- _____ FAC-Neutral Test
- _____ Other (Explain in Remarks)

Remarks:

SOILS **Plot ID#:** 12A **Page 2 0f 2**

Map Unit Name
(Series and Phase): ____________________ Drainage Class: ____________

Field Observations
Confirm Mapped Type? Yes No

Taxonomy (Subgroup): ____________________

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-10	A	10YR 4/4	—	—	sandy
10-14	A	5Y 4/1	—	—	clay

Hydric Soil Indicators:

- ☐ Histosol
- ☐ Histic Epipedon
- ☐ Sulfidic Odor
- ☐ Aquic Moisture Regime
- ☐ Reducing Conditions
- ☑ Gleyed or Low-Chroma Colors
- ☐ Concretions
- ☐ High Organic Content in Surface Layer in Sandy Soils
- ☐ Organic Streaking in Sandy Soils
- ☐ Listed on Local Hydric Soils List
- ☐ Listed on National Hydric Soils List
- ☐ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? [✓ Yes] No
Wetland Hydrology Present? [✓ Yes] No
Hydric Soils Present? [✓ Yes] No

Is this Sampling Point Within a Wetland? [✓ Yes] No

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

roject/Site:	San Francisquito Creek Project Area, d/s 101	Date: 11/20/00
pplicant/Owner:	Santa Clara Valley Water District	County: Santa Clara
Investigator:	K. Lyons, Biotic Resources Group	State: CA

o Normal Circumstances exist on the site? [✓ Yes] No

s the site significantly disturbed (Atypical Situation?) Yes [✓ No]

Is the area a potential Problem Area? Yes [✓ No]

(Is needed, explain on reverse.)

Community ID:

Transect ID:

Plot ID: 12B

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Spartina foliosa	H	OBL	9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

ercent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 100%

emarks:

YDROLOGY

____ Recorded Data (Describe in Remarks):
- ____ Stream, Lake, or Tide Gauge
- ____ Aerial Photographs
- ____ Other

✓ No Recorded Data Available

Field Observations:

Depth of Surface Water: — (in.)

Depth to Free Water in Pit: — (in.)

Depth to Saturated Soil: 6" (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ____ Inundated
- ✓ Saturated in Upper 12 Inches
- ____ Water Marks
- ____ Drift Lines
- ✓ Sediment Deposits
- ____ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ____ Oxidized Root Channels in Upper 12 Inches
- ____ Water-Stained Leaves
- ____ Local Soil Survey Data
- ____ FAC-Neutral Test
- ____ Other (Explain in Remarks)

Remarks:

OILS **Plot ID#:** **Page 2 0f 2**

Map Unit Name
(Series and Phase): ____________________ Drainage Class: ____________

Field Observations
Confirm Mapped Type? Yes No

Taxonomy (Subgroup): ____________________

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-12	A	5Y N/1	—	—	clay

Hydric Soil Indicators:

____ Histosol
____ Histic Epipedon
____ Sulfidic Odor
____ Aquic Moisture Regime
____ Reducing Conditions
✓ Gleyed or Low-Chroma Colors

____ Concretions
____ High Organic Content in Surface Layer in Sandy Soils
____ Organic Streaking in Sandy Soils
____ Listed on Local Hydric Soils List
____ Listed on National Hydric Soils List
____ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? [✓ Yes] No
Wetland Hydrology Present? [✓ Yes] No
Hydric Soils Present? [✓ Yes] No

Is this Sampling Point Within a Wetland? [✓ Yes] No

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: San Francisquito Creek Project Area, d/s 101
Applicant/Owner: Santa Clara Valley Water District
Investigator: K. Lyons, Biotic Resources Group

Date: 11/20/00
County: Santa Clara
State: CA

Do Normal Circumstances exist on the site? **Yes** No
Is the site significantly disturbed (Atypical Situation?) Yes **No**
Is the area a potential Problem Area? Yes **No**
(Is needed, explain on reverse.)

Community ID: ______
Transect ID: ______
Plot ID: 12C

edge of levee

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Avena barbata	H	UPL	9.		
2. Baccharis pilularis	S	UPL	10.		
3. Agrostis stolonifera	H	FACW	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) —

Remarks:

HYDROLOGY

____ Recorded Data (Describe in Remarks):
  ____ Stream, Lake, or Tide Gauge
  ____ Aerial Photographs
  ____ Other
✓ No Recorded Data Available

Field Observations:

Depth of Surface Water: — (in.)

Depth to Free Water in Pit: — (in.)

Depth to Saturated Soil: — (in.)

Wetland Hydrology Indicators:
Primary Indicators:
____ Inundated
____ Saturated in Upper 12 Inches
____ Water Marks
____ Drift Lines
____ Sediment Deposits
____ Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
____ Oxidized Root Channels in Upper 12 Inches
____ Water-Stained Leaves
____ Local Soil Survey Data
____ FAC-Neutral Test
____ Other (Explain in Remarks)

Remarks:

SOILS **Plot ID#:** 12C **Page 2 0f 2**

Map Unit Name
(Series and Phase): ____________________ Drainage Class: ____________

Field Observations
Taxonomy (Subgroup): ____________________ Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 4/5	—	—	sandy loam

Hydric Soil Indicators:

____ Histosol
____ Histic Epipedon
____ Sulfidic Odor
____ Aquic Moisture Regime
____ Reducing Conditions
____ Gleyed or Low-Chroma Colors

____ Concretions
____ High Organic Content in Surface Layer in Sandy Soils
____ Organic Streaking in Sandy Soils
____ Listed on Local Hydric Soils List
____ Listed on National Hydric Soils List
____ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes [✓ No]
Wetland Hydrology Present? Yes [✓ No]
Hydric Soils Present? Yes [✓ No]

Is this Sampling Point Within a Wetland? Yes [✓ No]

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site:	San Francisquito Creek Project Area , 9/5/01	Date: 20 Nov 00
Applicant/Owner:	Santa Clara Valley Water District	County: Santa Clara
Investigator:	K. Lyons, Biotic Resources Group	State: CA

Do Normal Circumstances exist on the site?	**Yes** No	Community ID:
Is the site significantly disturbed (Atypical Situation?)	Yes **No**	Transect ID:
Is the area a potential Problem Area? (Is needed, explain on reverse.)	Yes **No**	Plot ID: 13 A

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Salicornia virginica	H	OBL	9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 100%

Remarks:

HYDROLOGY

____ Recorded Data (Describe in Remarks):
  ____ Stream, Lake, or Tide Gauge
  ____ Aerial Photographs
  ____ Other
✓ No Recorded Data Available

Field Observations:

Depth of Surface Water: — (in.)

Depth to Free Water in Pit: — (in.)

Depth to Saturated Soil: 4" (in.)

Wetland Hydrology Indicators:
Primary Indicators:
____ Inundated
✓ Saturated in Upper 12 Inches
____ Water Marks
____ Drift Lines
✓ Sediment Deposits
____ Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
____ Oxidized Root Channels in Upper 12 Inches
____ Water-Stained Leaves
____ Local Soil Survey Data
____ FAC-Neutral Test
____ Other (Explain in Remarks)

Remarks:

SOILS **Plot ID#:** 13A **Page 2 Of 2**

Map Unit Name
(Series and Phase): ____________________

Drainage Class: ____________

Field Observations
Confirm Mapped Type? Yes No

Taxonomy (Subgroup): ____________________

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-10	A	5Y N/1	—	—	Clay

Hydric Soil Indicators:

_____ Histosol
_____ Histic Epipedon
_____ Sulfidic Odor
_____ Aquic Moisture Regime
_____ Reducing Conditions
__✓__ Gleyed or Low-Chroma Colors
_____ Concretions
_____ High Organic Content in Surface Layer in Sandy Soils
_____ Organic Streaking in Sandy Soils
_____ Listed on Local Hydric Soils List
_____ Listed on National Hydric Soils List
_____ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? [✓ Yes] No
Wetland Hydrology Present? [✓ Yes] No
Hydric Soils Present? [✓ Yes] No

Is this Sampling Point Within a Wetland? [✓ Yes] No

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

roject/Site:	San Francisquito Creek Project Area , d/s 101	Date: 11/20/00
pplicant/Owner:	Santa Clara Valley Water District	County: Santa Clara
Investigator:	K. Lyons, Biotic Resources Group	State: CA

o Normal Circumstances exist on the site?	**Yes** No	Community ID:	
s the site significantly disturbed (Atypical Situation?)	Yes **No**	Transect ID:	
Is the area a potential Problem Area?	Yes **No**	Plot ID:	13B
(Is needed, explain on reverse.)			

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Spartina foliosa	H	OBL	9.		
.			10.		
3.			11.		
.			12.		
5.			13.		
			14.		
			15.		
			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 100%

emarks:

HYDROLOGY

____ Recorded Data (Describe in Remarks): ____ Stream, Lake, or Tide Gauge ____ Aerial Photographs ____ Other ✓ No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: ____ Inundated ✓ Saturated in Upper 12 Inches ____ Water Marks ____ Drift Lines ✓ Sediment Deposits ____ Drainage Patterns in Wetlands
ield Observations: Depth of Surface Water: — (in.) Depth to Free Water in Pit: — (in.) Depth to Saturated Soil: 4" (in.)	Secondary Indicators (2 or more required): ____ Oxidized Root Channels in Upper 12 Inches ____ Water-Stained Leaves ____ Local Soil Survey Data ____ FAC-Neutral Test ____ Other (Explain in Remarks)

Remarks:

SOILS **Plot ID#:** 13B **Page 2 0f 2**

Map Unit Name
(Series and Phase): ____________________ Drainage Class: ____________

Field Observations
Confirm Mapped Type? Yes No

Taxonomy (Subgroup): ____________________

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-12	A	5Y N/1	—	—	clay

Hydric Soil Indicators:

____ Histosol
____ Histic Epipedon
____ Sulfidic Odor
____ Aquic Moisture Regime
____ Reducing Conditions
✓ Gleyed or Low-Chroma Colors

____ Concretions
____ High Organic Content in Surface Layer in Sandy Soils
____ Organic Streaking in Sandy Soils
____ Listed on Local Hydric Soils List
____ Listed on National Hydric Soils List
____ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? [✓ Yes] No
Wetland Hydrology Present? [✓ Yes] No
Hydric Soils Present? [✓ Yes] No

Is this Sampling Point Within a Wetland? [✓ Yes] No

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: San Francisquito Creek Project Area, d/s 101
Applicant/Owner: Santa Clara Valley Water District
Investigator: K. Lyons, Biotic Resources Group

Date: 11/20/00
County: Santa Clara
State: CA

Do Normal Circumstances exist on the site? **Yes** No
Is the site significantly disturbed (Atypical Situation?) Yes **No**
Is the area a potential Problem Area? Yes **No**
(Is needed, explain on reverse.)

Community ID: ____
Transect ID: ____
Plot ID: 13C

levee slope

VEGETATION

Dominant Plant Species	**Stratum**	**Indicator**	**Dominant Plant Species**	**Stratum**	**Indicator**
1. Baccharis pilularis	S	UPL	9.		
2. Avena sp.	H	UPL	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) —

Remarks:

HYDROLOGY

_____ Recorded Data (Describe in Remarks):
- _____ Stream, Lake, or Tide Gauge
- _____ Aerial Photographs
- _____ Other

✓ No Recorded Data Available

Field Observations:

Depth of Surface Water: — (in.)

Depth to Free Water in Pit: — (in.)

Depth to Saturated Soil: — (in.)

Wetland Hydrology Indicators:
Primary Indicators:
- _____ Inundated
- _____ Saturated in Upper 12 Inches
- _____ Water Marks
- _____ Drift Lines
- _____ Sediment Deposits
- _____ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- _____ Oxidized Root Channels in Upper 12 Inches
- _____ Water-Stained Leaves
- _____ Local Soil Survey Data
- _____ FAC-Neutral Test
- _____ Other (Explain in Remarks)

Remarks:

SOILS **Plot ID#:** 13C **Page 2 0f 2**

Map Unit Name
(Series and Phase): ____________________ Drainage Class: ____________

Field Observations
Confirm Mapped Type? Yes No

Taxonomy (Subgroup): ____________________

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-10	A	10YR 4/5	—	—	sandy loam

Hydric Soil Indicators:

- ____ Histosol
- ____ Histic Epipedon
- ____ Sulfidic Odor
- ____ Aquic Moisture Regime
- ____ Reducing Conditions
- ____ Gleyed or Low-Chroma Colors
- ____ Concretions
- ____ High Organic Content in Surface Layer in Sandy Soils
- ____ Organic Streaking in Sandy Soils
- ____ Listed on Local Hydric Soils List
- ____ Listed on National Hydric Soils List
- ____ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes [✓ No]
Wetland Hydrology Present? Yes [✓ No]
Hydric Soils Present? Yes [✓ No]

Is this Sampling Point Within a Wetland? Yes [✓ No]

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: San Francisquito Creek Project Area, d/s 101
Applicant/Owner: Santa Clara Valley Water District
Investigator: K. Lyons, Biotic Resources Group

Date: 20 Nov 00
County: Santa Clara
State: CA

Do Normal Circumstances exist on the site? **Yes** No
Is the site significantly disturbed (Atypical Situation?) Yes **No**
Is the area a potential Problem Area? Yes **No**
(Is needed, explain on reverse.)

Community ID: ____
Transect ID: ____
Plot ID: 14A

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Salicornia virginica	H	OBL	9.		
2. Spartina foliosa	H	OBL	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 100%

Remarks:

HYDROLOGY

____ Recorded Data (Describe in Remarks):
- ____ Stream, Lake, or Tide Gauge
- ____ Aerial Photographs
- ____ Other

✓ No Recorded Data Available

Field Observations:

Depth of Surface Water: — (in.)

Depth to Free Water in Pit: — (in.)

Depth to Saturated Soil: 0 (in.)

Wetland Hydrology Indicators:
Primary Indicators:
- ____ Inundated
- ✓ Saturated in Upper 12 Inches
- ____ Water Marks
- ____ Drift Lines
- ✓ Sediment Deposits
- ____ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ____ Oxidized Root Channels in Upper 12 Inches
- ____ Water-Stained Leaves
- ____ Local Soil Survey Data
- ____ FAC-Neutral Test
- ____ Other (Explain in Remarks)

Remarks:

SOILS **Plot ID#:** **Page 2 0f 2**

Map Unit Name
(Series and Phase): ____________________ Drainage Class: ____________

Field Observations
Taxonomy (Subgroup): ____________________ Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-6	A	10YR 4/3	—	—	sand
6-12	A	2.5Y 2/0	—	—	clay

Hydric Soil Indicators:

- ____ Histosol
- ____ Histic Epipedon
- ____ Sulfidic Odor
- ____ Aquic Moisture Regime
- ____ Reducing Conditions
- ✓ Gleyed or Low-Chroma Colors
- ____ Concretions
- ____ High Organic Content in Surface Layer in Sandy Soils
- ____ Organic Streaking in Sandy Soils
- ____ Listed on Local Hydric Soils List
- ____ Listed on National Hydric Soils List
- ____ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? [✓ Yes] No
Wetland Hydrology Present? [✓ Yes] No
Hydric Soils Present? [✓ Yes] No

Is this Sampling Point Within a Wetland? [✓ Yes] No

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site:	San Francisquito Creek Project Area, d/s 101	Date: 11/20/00
Applicant/Owner:	Santa Clara Valley Water District	County: Santa Clara
Investigator:	K. Lyons, Biotic Resources Group	State: CA

Do Normal Circumstances exist on the site?	**Yes** No	Community ID:
Is the site significantly disturbed (Atypical Situation?)	Yes **No**	Transect ID:
Is the area a potential Problem Area? (Is needed, explain on reverse.)	Yes **No**	Plot ID: 14B

levee slope

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Bacharis pilularis	S	UPL	9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) —

Remarks:

HYDROLOGY

_____ Recorded Data (Describe in Remarks):
  _____ Stream, Lake, or Tide Gauge
  _____ Aerial Photographs
  _____ Other
✓ No Recorded Data Available

Field Observations:

Depth of Surface Water: — (in.)

Depth to Free Water in Pit: — (in.)

Depth to Saturated Soil: — (in.)

Wetland Hydrology Indicators:
Primary Indicators:
_____ Inundated
_____ Saturated in Upper 12 Inches
_____ Water Marks
_____ Drift Lines
_____ Sediment Deposits
_____ Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
_____ Oxidized Root Channels in Upper 12 Inches
_____ Water-Stained Leaves
_____ Local Soil Survey Data
_____ FAC-Neutral Test
_____ Other (Explain in Remarks)

Remarks:

SOILS **Plot ID#:** 14B **Page 2 0f 2**

Map Unit Name
(Series and Phase): ____________________

Drainage Class: ____________

Field Observations
Confirm Mapped Type? Yes No

Taxonomy (Subgroup): ____________________

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-10	A	10YR 4/5	—	—	Sandy loam

Hydric Soil Indicators:

- ____ Histosol
- ____ Histic Epipedon
- ____ Sulfidic Odor
- ____ Aquic Moisture Regime
- ____ Reducing Conditions
- ____ Gleyed or Low-Chroma Colors
- ____ Concretions
- ____ High Organic Content in Surface Layer in Sandy Soils
- ____ Organic Streaking in Sandy Soils
- ____ Listed on Local Hydric Soils List
- ____ Listed on National Hydric Soils List
- ____ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes [✓ No]
Wetland Hydrology Present? Yes [✓ No]
Hydric Soils Present? Yes [✓ No]

Is this Sampling Point Within a Wetland? Yes [✓ No]

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: San Francisquito Creek Project Area 9/5/01
Applicant/Owner: Santa Clara Valley Water District
Investigator: K. Lyons, Biotic Resources Group

Date: 20 Nov 00
County: Santa Clara
State: CA

Do Normal Circumstances exist on the site? **Yes** No
Is the site significantly disturbed (Atypical Situation?) Yes **No**
Is the area a potential Problem Area? Yes **No**
(Is needed, explain on reverse.)

Community ID: ______
Transect ID: ______
Plot ID: 15A

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Spartina foliosa	H	OBL	9.		
2. Salicornia virginica	H	OBL	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 100%

Remarks:

HYDROLOGY

____ Recorded Data (Describe in Remarks):
____ Stream, Lake, or Tide Gauge
____ Aerial Photographs
____ Other
✓ No Recorded Data Available

Field Observations:

Depth of Surface Water: < 0.5 (in.)

Depth to Free Water in Pit: 12 (in.)

Depth to Saturated Soil: 0 (in.)

Wetland Hydrology Indicators:
Primary Indicators:
____ Inundated
✓ Saturated in Upper 12 Inches
____ Water Marks
✓ Drift Lines
____ Sediment Deposits
____ Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
____ Oxidized Root Channels in Upper 12 Inches
____ Water-Stained Leaves
____ Local Soil Survey Data
____ FAC-Neutral Test
____ Other (Explain in Remarks)

Remarks:

SOILS **Plot ID#:** **Page 2 0f 2**

Map Unit Name
(Series and Phase): ____________________
Drainage Class: ____________
Field Observations
Confirm Mapped Type? Yes No
Taxonomy (Subgroup): ____________________

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0 - 6	A	10YR 4/3	—	—	Sand
6 - 16	A	2.5Y 2/0	—		Clay

Hydric Soil Indicators:

- ____ Histosol
- ____ Histic Epipedon
- _0_ Sulfidic Odor
- ____ Aquic Moisture Regime
- ____ Reducing Conditions
- _✓_ Gleyed or Low-Chroma Colors
- ____ Concretions
- ____ High Organic Content in Surface Layer in Sandy Soils
- ____ Organic Streaking in Sandy Soils
- ____ Listed on Local Hydric Soils List
- ____ Listed on National Hydric Soils List
- ____ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? [✓ Yes] No
Wetland Hydrology Present? [✓ Yes] No
Hydric Soils Present? [✓ Yes] No

Is this Sampling Point Within a Wetland? [✓ Yes] No

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site:	San Francisquito Creek Project Area , 9/S 101	Date: 20 Nov 00
Applicant/Owner:	Santa Clara Valley Water District	County: Santa Clara
Investigator:	K. Lyons, Biotic Resources Group	State: CA

Do Normal Circumstances exist on the site? **Yes** No

Is the site significantly disturbed (Atypical Situation?) Yes **No**

Is the area a potential Problem Area? Yes **No**

(Is needed, explain on reverse.)

Community ID: ______

Transect ID: ______

Plot ID: 15B

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Atriplex ~~patula~~ mansulans	H	FACW	9.		
2. Suaeda fruticosa	H	FACW	10.		
3. Salicornia virginica	H	OBL	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 100%

Remarks:

HYDROLOGY

_____ Recorded Data (Describe in Remarks):
  _____ Stream, Lake, or Tide Gauge
  _____ Aerial Photographs
  _____ Other
_____ No Recorded Data Available

Field Observations:

Depth of Surface Water: — (in.)

Depth to Free Water in Pit: — (in.)

Depth to Saturated Soil: 10" (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- _____ Inundated
- ✓ Saturated in Upper 12 Inches
- _____ Water Marks
- _____ Drift Lines
- ✓ Sediment Deposits
- _____ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- _____ Oxidized Root Channels in Upper 12 Inches
- _____ Water-Stained Leaves
- _____ Local Soil Survey Data
- _____ FAC-Neutral Test
- _____ Other (Explain in Remarks)

Remarks:

SOILS **Plot ID#:** 15B **Page 2 0f 2**

Map Unit Name
(Series and Phase): ____________________ Drainage Class: ____________

Field Observations
Taxonomy (Subgroup): ____________________ Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-10	A	10YR 4/4			Sandy loam
10-16	A	10YR 5/1			Sand/Clay inclusions

Hydric Soil Indicators:

- ____ Histosol
- ____ Histic Epipedon
- ____ Sulfidic Odor
- ____ Aquic Moisture Regime
- ____ Reducing Conditions
- ✓ Gleyed or Low-Chroma Colors (inclusions)
- ____ Concretions
- ____ High Organic Content in Surface Layer in Sandy Soils
- ____ Organic Streaking in Sandy Soils
- ____ Listed on Local Hydric Soils List
- ____ Listed on National Hydric Soils List
- ____ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? [✓ Yes] No
Wetland Hydrology Present? [✓ Yes] No
Hydric Soils Present? [✓ Yes] No

Is this Sampling Point Within a Wetland? [✓ Yes] No

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: San Francisquito Creek Project Area , d/s 101
Applicant/Owner: Santa Clara Valley Water District
Investigator: K. Lyons, Biotic Resources Group

Date: 20 nov 00
County: Santa Clara
State: CA

Do Normal Circumstances exist on the site? **Yes** No
Is the site significantly disturbed (Atypical Situation?) Yes **No**
Is the area a potential Problem Area? Yes **No**
(Is needed, explain on reverse.)

Community ID:
Transect ID:
Plot ID: 16A

S side of levee.

VEGETATION

Dominant Plant Species	**Stratum**	**Indicator**	**Dominant Plant Species**	**Stratum**	**Indicator**
1. Salicornia virginica	H	OBL	9.		
2. Atriplex ~~patula~~ triangularis	H	FACW	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 100%

Remarks:

HYDROLOGY

____ Recorded Data (Describe in Remarks):
____ Stream, Lake, or Tide Gauge
____ Aerial Photographs
____ Other
✓ No Recorded Data Available

Field Observations:

Depth of Surface Water: — (in.)

Depth to Free Water in Pit: — (in.)

Depth to Saturated Soil: 8" (in.)

Wetland Hydrology Indicators:
Primary Indicators:
____ Inundated
✓ Saturated in Upper 12 Inches
____ Water Marks
____ Drift Lines
____ Sediment Deposits
____ Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
____ Oxidized Root Channels in Upper 12 Inches
____ Water-Stained Leaves
____ Local Soil Survey Data
____ FAC-Neutral Test
____ Other (Explain in Remarks)

Remarks:

SOILS **Plot ID#:** 16A **Page 2 Of 2**

Map Unit Name
(Series and Phase): ____________________

Drainage Class: ____________

Field Observations
Confirm Mapped Type? Yes No

Taxonomy (Subgroup): ____________________

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 3/2	10YR 5/5	faint	sandy loam

Hydric Soil Indicators:

____ Histosol
____ Histic Epipedon
____ Sulfidic Odor
____ Aquic Moisture Regime
✓ Reducing Conditions
____ Gleyed or Low-Chroma Colors

____ Concretions
____ High Organic Content in Surface Layer in Sandy Soils
____ Organic Streaking in Sandy Soils
____ Listed on Local Hydric Soils List
____ Listed on National Hydric Soils List
____ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? [✓ Yes] No
Wetland Hydrology Present? [✓ Yes] No
Hydric Soils Present? [✓ Yes] No

Is this Sampling Point Within a Wetland? [✓ Yes] No

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site:	San Francisquito Creek Project Area, d/s 101	Date: 21 Nov 00
Applicant/Owner:	Santa Clara Valley Water District	County: Santa Clara
Investigator:	K. Lyons, Biotic Resources Group	State: CA

Do Normal Circumstances exist on the site?	**Yes** No	Community ID:
Is the site significantly disturbed (Atypical Situation?)	Yes **No**	Transect ID:
Is the area a potential Problem Area? (Is needed, explain on reverse.)	Yes **No**	Plot ID: 16B

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Salicornia virginica	H	OBL	9.		
2. Distichlis spicata	H	FACW	10.		
3. Hordeum leporinum	H	UPL	11.		
4. Frankenia grandifolia	H	FACW	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 75%

Remarks:

HYDROLOGY

_____ Recorded Data (Describe in Remarks):
    ______ Stream, Lake, or Tide Gauge
    ______ Aerial Photographs
    ______ Other
_____ No Recorded Data Available

Field Observations:

Depth of Surface Water: — (in.)

Depth to Free Water in Pit: — (in.)

Depth to Saturated Soil: 10" (in.)

Wetland Hydrology Indicators:
Primary Indicators:
________Inundated
✓ Saturated in Upper 12 Inches
________Water Marks
________Drift Lines
________Sediment Deposits
________Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
________Oxidized Root Channels in Upper 12 Inches
________Water-Stained Leaves
________Local Soil Survey Data
________FAC-Neutral Test
________Other (Explain in Remarks)

Remarks:

SOILS **Plot ID#:** 16B **Page 2 0f 2**

Map Unit Name
(Series and Phase): ____________________

Drainage Class: ____________

Field Observations
Confirm Mapped Type? Yes No

Taxonomy (Subgroup): ____________________

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-8	A	10 YR 3/2	10YR 5/5	faint	Sandy loam
8-12	A	—	—	—	gravel ?fill

Hydric Soil Indicators:

____ Histosol
____ Histic Epipedon
____ Sulfidic Odor
____ Aquic Moisture Regime
✓ Reducing Conditions
____ Gleyed or Low-Chroma Colors

____ Concretions
____ High Organic Content in Surface Layer in Sandy Soils
____ Organic Streaking in Sandy Soils
____ Listed on Local Hydric Soils List
____ Listed on National Hydric Soils List
____ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? [✓ Yes] No
Wetland Hydrology Present? [✓ Yes] No
Hydric Soils Present? [✓ Yes] No

Is this Sampling Point Within a Wetland? [✓ Yes] No

Remarks: Faint mottles in top 8" - Gravels below 8" - questionable fill

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site:	San Francisquito Creek Project Area , 9/5/01	Date: 11/21/00
Applicant/Owner:	Santa Clara Valley Water District	County: Santa Clara
Investigator:	K. Lyons, Biotic Resources Group	State: CA

Do Normal Circumstances exist on the site?	**Yes** No	Community ID:	
Is the site significantly disturbed (Atypical Situation?)	Yes **No**	Transect ID:	
Is the area a potential Problem Area?	Yes **No**	Plot ID:	16c
(Is needed, explain on reverse.)			

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Distichlis spicata	H	FACW	9.		
2. Salicornia virginica	H	OBL	10.		
3. Atriplex ~~patula~~ triangularis	H	FACW	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) ______

Remarks:

HYDROLOGY

_____ Recorded Data (Describe in Remarks):
    _____ Stream, Lake, or Tide Gauge
    _____ Aerial Photographs
    _____ Other
_____ No Recorded Data Available

Field Observations:

Depth of Surface Water: — (in.)

Depth to Free Water in Pit: — (in.)

Depth to Saturated Soil: 8" (in.)

Wetland Hydrology Indicators:
Primary Indicators:
_____ Inundated
✓ Saturated in Upper 12 Inches
_____ Water Marks
_____ Drift Lines
_____ Sediment Deposits
_____ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
_____ Oxidized Root Channels in Upper 12 Inches
_____ Water-Stained Leaves
_____ Local Soil Survey Data
_____ FAC-Neutral Test
_____ Other (Explain in Remarks)

Remarks:

SOILS **Plot ID#:** 16C **Page 2 0f 2**

Map Unit Name
(Series and Phase): ____________________

Drainage Class: ____________

Field Observations
Confirm Mapped Type? Yes No

Taxonomy (Subgroup): ____________________

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-8	A	10YR 3/2	10YR 5/5	faint	sandy loam
8-12	A	—	—	—	gravel

Hydric Soil Indicators:

- ____ Histosol
- ____ Histic Epipedon
- ____ Sulfidic Odor
- ____ Aquic Moisture Regime
- _✓_ Reducing Conditions
- ____ Gleyed or Low-Chroma Colors
- ____ Concretions
- ____ High Organic Content in Surface Layer in Sandy Soils
- ____ Organic Streaking in Sandy Soils
- ____ Listed on Local Hydric Soils List
- ____ Listed on National Hydric Soils List
- ____ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? [✓ Yes] No
Wetland Hydrology Present? [✓ Yes] No
Hydric Soils Present? [✓ Yes] No

Is this Sampling Point Within a Wetland? [✓ Yes] No

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: San Francisquito Creek Project Area, d/s 101
Applicant/Owner: Santa Clara Valley Water District
Investigator: K. Lyons, Biotic Resources Group

Date: 21 Nov 00
County: Santa Clara
State: CA

Do Normal Circumstances exist on the site? [✓ Yes] No
Is the site significantly disturbed (Atypical Situation?) Yes [✓ No]
Is the area a potential Problem Area? Yes [✓ No]
(Is needed, explain on reverse.)

Community ID: ____
Transect ID: ____
Plot ID: 17A

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Suaeda fruticosa	H	FACW	9.		
2. Salicornia virginica	H	OBL	10.		
3. Atriplex patula	H	FACW	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 100%

Remarks:

HYDROLOGY

____ Recorded Data (Describe in Remarks):
  ____ Stream, Lake, or Tide Gauge
  ____ Aerial Photographs
  ____ Other
✓ No Recorded Data Available

Field Observations:

Depth of Surface Water: — (in.)
Depth to Free Water in Pit: — (in.)
Depth to Saturated Soil: — (in.)

Wetland Hydrology Indicators:
Primary Indicators:
____ Inundated
____ Saturated in Upper 12 Inches
____ Water Marks
____ Drift Lines
✓ Sediment Deposits
____ Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
____ Oxidized Root Channels in Upper 12 Inches
____ Water-Stained Leaves
____ Local Soil Survey Data
____ FAC-Neutral Test
____ Other (Explain in Remarks)

Remarks: positive hydrology inferred as sediment deposition is within channel bed.

SOILS Plot ID#: 17A Page 2 0f 2

Map Unit Name
(Series and Phase): ____________________

Drainage Class: ____________

Field Observations
Confirm Mapped Type? Yes No

Taxonomy (Subgroup): ____________________

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16	A	10YR 4/4	—	—	sandy

Hydric Soil Indicators:

____ Histosol
____ Histic Epipedon
____ Sulfidic Odor
____ Aquic Moisture Regime
____ Reducing Conditions
____ Gleyed or Low-Chroma Colors
____ Concretions
____ High Organic Content in Surface Layer in Sandy Soils
____ Organic Streaking in Sandy Soils
____ Listed on Local Hydric Soils List
____ Listed on National Hydric Soils List
____ Other (Explain in Remarks)

Remarks: positive hydric soil inferred since sediment deposit has accumulated within channel.

WETLAND DETERMINATION

Hydrophytic Vegetation Present? [✓ Yes] No
Wetland Hydrology Present? [✓ Yes] No, inferred
Hydric Soils Present? [✓ Yes] No, inferred

Is this Sampling Point Within a Wetland? [✓ Yes] No

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

roject/Site:	San Francisquito Creek Project Area , dls 101	Date: 11/21/00
.pplicant/Owner:	Santa Clara Valley Water District	County: Santa Clara
Investigator:	K. Lyons, Biotic Resources Group	State: CA

)o Normal Circumstances exist on the site?	**Yes** No	Community ID:
.s the site significantly disturbed (Atypical Situation?)	Yes **No**	Transect ID:
Is the area a potential Problem Area?	Yes **No**	Plot ID: 17B
(Is needed, explain on reverse.)		

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Lolium multiflorum	H	FAC	9.		
. Malva sp.	H	UPL	10.		
3. Avena sp.	H	UPL	11.		
.			12.		
.			13.		
.			14.		
.			15.		
.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 33%

emarks:

HYDROLOGY

____ Recorded Data (Describe in Remarks):	Wetland Hydrology Indicators:
______ Stream, Lake, or Tide Gauge	Primary Indicators:
______ Aerial Photographs	________ Inundated
______ Other	________ Saturated in Upper 12 Inches
✓ No Recorded Data Available	________ Water Marks
	________ Drift Lines
	________ Sediment Deposits
ield Observations:	________ Drainage Patterns in Wetlands
	Secondary Indicators (2 or more required):
Depth of Surface Water: — (in.)	________ Oxidized Root Channels in Upper 12 Inches
	________ Water-Stained Leaves
Depth to Free Water in Pit: — (in.)	________ Local Soil Survey Data
	________ FAC-Neutral Test
Depth to Saturated Soil: — (in.)	________ Other (Explain in Remarks)

emarks:

SOILS

Plot ID#: 17B **Page 2 0f 2**

Map Unit Name
(Series and Phase): ____________________

Drainage Class: ____________

Field Observations
Confirm Mapped Type? Yes No

Taxonomy (Subgroup): ____________________

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-12	A	10 YR 4/5	—	—	sandy loam

Hydric Soil Indicators:

____ Histosol
____ Histic Epipedon
____ Sulfidic Odor
____ Aquic Moisture Regime
____ Reducing Conditions
____ Gleyed or Low-Chroma Colors

____ Concretions
____ High Organic Content in Surface Layer in Sandy Soils
____ Organic Streaking in Sandy Soils
____ Listed on Local Hydric Soils List
____ Listed on National Hydric Soils List
____ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes [✓ No]
Wetland Hydrology Present? Yes [✓ No]
Hydric Soils Present? Yes [✓ No]

Is this Sampling Point Within a Wetland? Yes [✓ No]

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: San Francisquito Creek Project Area, d/s 101 Applicant/Owner: Santa Clara Valley Water District Investigator: K. Lyons, Biotic Resources Group	Date: 21 Nov 00 County: Santa Clara State: CA
Do Normal Circumstances exist on the site? **Yes** No Is the site significantly disturbed (Atypical Situation?) Yes **No** Is the area a potential Problem Area? Yes **No** (Is needed, explain on reverse.)	Community ID: ____ Transect ID: ____ Plot ID: 17E

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Salicornia virginica	H	OBL	9.		
2. Spartina foliosa	H	OBL	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 100%

Remarks:

HYDROLOGY

____ Recorded Data (Describe in Remarks):
  ____ Stream, Lake, or Tide Gauge
  ____ Aerial Photographs
  ____ Other
____ No Recorded Data Available

Field Observations:

Depth of Surface Water: — (in.)

Depth to Free Water in Pit: — (in.)

Depth to Saturated Soil: 2" (in.)

Wetland Hydrology Indicators:
Primary Indicators:
____ Inundated
✓ Saturated in Upper 12 Inches
____ Water Marks
____ Drift Lines
✓ Sediment Deposits
____ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
____ Oxidized Root Channels in Upper 12 Inches
____ Water-Stained Leaves
____ Local Soil Survey Data
____ FAC-Neutral Test
____ Other (Explain in Remarks)

Remarks:

SOILS **Plot ID#:** 17E **Page 2 Of 2**

Map Unit Name
(Series and Phase): ____________________

Drainage Class: ____________

Field Observations
Confirm Mapped Type? Yes No

Taxonomy (Subgroup): ____________________

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-10	A	5Y N/1	—	—	clay

Hydric Soil Indicators:

- ____ Histosol
- ____ Histic Epipedon
- ____ Sulfidic Odor
- ____ Aquic Moisture Regime
- ____ Reducing Conditions
- ✓ Gleyed or Low-Chroma Colors
- ____ Concretions
- ____ High Organic Content in Surface Layer in Sandy Soils
- ____ Organic Streaking in Sandy Soils
- ____ Listed on Local Hydric Soils List
- ____ Listed on National Hydric Soils List
- ____ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	[✓ Yes] No	
Wetland Hydrology Present?	[✓ Yes] No	
Hydric Soils Present?	[✓ Yes] No	Is this Sampling Point Within a Wetland? [✓ Yes] No

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site:	San Francisquito Creek Project Area	Date: 21 Nov 00
Applicant/Owner:	Santa Clara Valley Water District	County: Santa Clara
Investigator:	K. Lyons, Biotic Resources Group	State: CA

Do Normal Circumstances exist on the site?	[✓ Yes] No	Community ID:
Is the site significantly disturbed (Atypical Situation?)	Yes [✓ No]	Transect ID:
Is the area a potential Problem Area? (Is needed, explain on reverse.)	Yes [✓ No]	Plot ID: 176

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Salicornia virginica	H	OBL	9.		
2. Atriplex ~~patula~~ triangularis	H	FACW-	10.		
3. Rumex crispus	H	FAC	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 100%

Remarks:

HYDROLOGY

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other ✓ No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: ___ Inundated ___ Saturated in Upper 12 Inches ___ Water Marks ___ Drift Lines ✓ Sediment Deposits ___ Drainage Patterns in Wetlands
Field Observations: Depth of Surface Water: — (in.) Depth to Free Water in Pit: — (in.) Depth to Saturated Soil: — (in.)	Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 Inches ___ Water-Stained Leaves ___ Local Soil Survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)

Remarks: downstream is patch of Lepidium mudshelf c̄ Spartina – 3' wide ~ 4' below area c̄ Salicornia

- positive hydrology inferred as sediment deposit is within channel.

SOILS **Plot ID#:** 17C **Page 2 0f 2**

Map Unit Name
(Series and Phase): ____________________

Drainage Class: ____________

Field Observations
Confirm Mapped Type? Yes No

Taxonomy (Subgroup): ____________________

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-10	A	10YR 4/4	—	—	sandy
10-16	A	5Y N/1	—	—	clay

Hydric Soil Indicators:

____ Histosol
____ Histic Epipedon
____ Sulfidic Odor
____ Aquic Moisture Regime
____ Reducing Conditions
✓ Gleyed or Low-Chroma Colors

____ Concretions
____ High Organic Content in Surface Layer in Sandy Soils
____ Organic Streaking in Sandy Soils
____ Listed on Local Hydric Soils List
____ Listed on National Hydric Soils List
____ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? [✓ Yes] No
Wetland Hydrology Present? [✓ Yes] No, inferred
Hydric Soils Present? [✓ Yes] No

Is this Sampling Point Within a Wetland? [✓ Yes] No

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

roject/Site:	San Francisquito Creek Project Area , d/s 101	Date: 12/6/00
pplicant/Owner:	Santa Clara Valley Water District	County: Santa Clara
Investigator:	K. Lyons, Biotic Resources Group	State: CA

o Normal Circumstances exist on the site? **Yes** No
; the site significantly disturbed (Atypical Situation?) Yes **No**
Is the area a potential Problem Area? Yes **No**
(Is needed, explain on reverse.)

Community ID: ________
Transect ID: ________
Plot ID: 18A

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Distichlis spicata	H	FACW	9.		
Salicornia virginica	H	OBL	10.		
3. Grindelia ~~humilis~~ stricta	H	FACW	11.		
Lepidium latifolium	H	FACW	12.		
Agrostis stolonifera	H	FACW	13.		
Xanthium strumarium	H	FAC+	14.		
			15.		
			16.		

ercent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 100%

emarks:

YDROLOGY

____ Recorded Data (Describe in Remarks):
______ Stream, Lake, or Tide Gauge
______ Aerial Photographs
______ Other
✓ No Recorded Data Available

Field Observations:

Depth of Surface Water: — (in.)

Depth to Free Water in Pit: — (in.)

Depth to Saturated Soil: — (in.)

Wetland Hydrology Indicators:
Primary Indicators:
________Inundated
________Saturated in Upper 12 Inches
________Water Marks
________Drift Lines
✓ Sediment Deposits
________Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
________Oxidized Root Channels in Upper 12 Inches
________Water-Stained Leaves
________Local Soil Survey Data
________FAC-Neutral Test
________Other (Explain in Remarks)

emarks: positive hydrology inferred from sediment deposition within channel

ILS **Plot ID#:** 18A **Page 2 0f 2**

ap Unit Name
Series and Phase): ____________________ Drainage Class: ____________

Field Observations
Confirm Mapped Type? Yes No

axonomy (Subgroup): ____________________

rofile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 4/4	—	—	sandy

Hydric Soil Indicators:

____ Histosol
____ Histic Epipedon
____ Sulfidic Odor
____ Aquic Moisture Regime
____ Reducing Conditions
____ Gleyed or Low-Chroma Colors

____ Concretions
____ High Organic Content in Surface Layer in Sandy Soils
____ Organic Streaking in Sandy Soils
____ Listed on Local Hydric Soils List
____ Listed on National Hydric Soils List
____ Other (Explain in Remarks)

Remarks: positive soil inferred as sediment deposit site upon mud shelf

ETLAND DETERMINATION

Hydrophytic Vegetation Present? [✓ Yes] No
Wetland Hydrology Present? [✓ Yes] No, inferred
Hydric Soils Present? [✓ Yes] No, inferred

Is this Sampling Point Within a Wetland? [✓ Yes] No

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

oject/Site: San Francisquito Creek Project Area d/s 101
Applicant/Owner: Santa Clara Valley Water District
nvestigator: K. Lyons, Biotic Resources Group

Date: 12/6/00
County: Santa Clara
State: CA

Normal Circumstances exist on the site? **Yes** No
Is the site significantly disturbed (Atypical Situation?) Yes **No**
the area a potential Problem Area? Yes **No**
(Is needed, explain on reverse.)

Community ID: ____
Transect ID: ____
Plot ID: 18B

VEGETATION

Slope area above flat plain.

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Malva sp.	H	UPL	9.		
Lolium multiflorm	H	FAC	10.		
3. Avena sp.	H	UPL	11.		
			12.		
5.			13.		
			14.		
7.			15.		
			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 33%

emarks:

HYDROLOGY

____ Recorded Data (Describe in Remarks):
  ______ Stream, Lake, or Tide Gauge
  ______ Aerial Photographs
  ______ Other
✓ No Recorded Data Available

ield Observations:

Depth of Surface Water: — (in.)
Depth to Free Water in Pit: — (in.)
Depth to Saturated Soil: — (in.)

Wetland Hydrology Indicators:
Primary Indicators:
________ Inundated
________ Saturated in Upper 12 Inches
________ Water Marks
________ Drift Lines
________ Sediment Deposits
________ Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
________ Oxidized Root Channels in Upper 12 Inches
________ Water-Stained Leaves
________ Local Soil Survey Data
________ FAC-Neutral Test
________ Other (Explain in Remarks)

emarks:

ILS **Plot ID#:** 18B

ap Unit Name
eries and Phase): ____________________ Drainage Class: ____________

Field Observations
axonomy (Subgroup): ____________________ Confirm Mapped Type? Yes No

rofile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 5/4	—	—	sandy loam

ydric Soil Indicators:

- ____ Histosol
- ____ Histic Epipedon
- ____ Sulfidic Odor
- ____ Aquic Moisture Regime
- ____ Reducing Conditions
- ____ Gleyed or Low-Chroma Colors
- ____ Concretions
- ____ High Organic Content in Surface Layer in Sandy Soils
- ____ Organic Streaking in Sandy Soils
- ____ Listed on Local Hydric Soils List
- ____ Listed on National Hydric Soils List
- ____ Other (Explain in Remarks)

emarks:

ETLAND DETERMINATION

ydrophytic Vegetation Present? Yes [✓ No]
Wetland Hydrology Present? Yes [✓ No]
Hydric Soils Present? Yes [✓ No]

Is this Sampling Point Within a Wetland? Yes [✓ No]

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

roject/Site: San Francisquito Creek Project Area, d/s 101
pplicant/Owner: Santa Clara Valley Water District
Investigator: K. Lyons, Biotic Resources Group

Date: 12/6/00
County: Santa Clara
State: CA

o Normal Circumstances exist on the site? **Yes** No
s the site significantly disturbed (Atypical Situation?) Yes **No**
Is the area a potential Problem Area? Yes **No**
(Is needed, explain on reverse.)

Community ID:
Transect ID:
Plot ID: 19A

15' wide along channel edge

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Salicornia virginica	H	OBL	9.		
Xanthium strumanum	H	FAC+	10.		
3. Atriplex ~~[illegible]~~ triangularis	H	FACW	11.		
Polypogon monspeliensis	H	FACW	12.		
5.			13.		
			14.		
			15.		
			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 100%

emarks:

HYDROLOGY

___ Recorded Data (Describe in Remarks):
___ Stream, Lake, or Tide Gauge
___ Aerial Photographs
___ Other
✓ No Recorded Data Available

ield Observations:

Depth of Surface Water: — (in.)

Depth to Free Water in Pit: — (in.)

Depth to Saturated Soil: — (in.)

Wetland Hydrology Indicators:
Primary Indicators:
___ Inundated
___ Saturated in Upper 12 Inches
___ Water Marks
___ Drift Lines
✓ Sediment Deposits
___ Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
___ Oxidized Root Channels in Upper 12 Inches
___ Water-Stained Leaves
___ Local Soil Survey Data
___ FAC-Neutral Test
___ Other (Explain in Remarks)

emarks: inferred positive hydrology due to sediment deposition along edge of channel

OILS **Plot ID#:** 19A **Page 2 0f 2**

Map Unit Name
Series and Phase): ____________ Drainage Class: ____________

Field Observations
Confirm Mapped Type? Yes No

Taxonomy (Subgroup): ____________

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 4/4			sandy

Hydric Soil Indicators:

- ____ Histosol
- ____ Histic Epipedon
- ____ Sulfidic Odor
- ____ Aquic Moisture Regime
- ____ Reducing Conditions
- ____ Gleyed or Low-Chroma Colors
- ____ Concretions
- ____ High Organic Content in Surface Layer in Sandy Soils
- ____ Organic Streaking in Sandy Soils
- ____ Listed on Local Hydric Soils List
- ____ Listed on National Hydric Soils List
- ____ Other (Explain in Remarks)

Remarks: positive soil inferred due to mud shelf present below sandy sediment deposit

WETLAND DETERMINATION

Hydrophytic Vegetation Present? [✓ Yes] No
Wetland Hydrology Present? [✓ Yes] No, inferred
Hydric Soils Present? [✓ Yes] No, inferred

Is this Sampling Point Within a Wetland? [✓ Yes] No

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: San Francisquito Creek Project Area , d/s 101
Applicant/Owner: Santa Clara Valley Water District
Investigator: K. Lyons, Biotic Resources Group

Date: 12/6/00
County: Santa Clara
State: CA

Do Normal Circumstances exist on the site? [✓ Yes] No
Is the site significantly disturbed (Atypical Situation?) Yes [✓ No]
Is the area a potential Problem Area? Yes [✓ No]
(Is needed, explain on reverse.)

Community ID: ______
Transect ID: ______
Plot ID: 19B

Sloped area above marsh plain.

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Artemisia douglasiana	H	FACW	9.		
2. Xanthium strumarium	H	FAC+	10.		
3. Avena sp.	H	UPL	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 50%

Remarks:

HYDROLOGY

_____ Recorded Data (Describe in Remarks):
______ Stream, Lake, or Tide Gauge
______ Aerial Photographs
______ Other
✓ No Recorded Data Available

Field Observations:

Depth of Surface Water: — (in.)

Depth to Free Water in Pit: — (in.)

Depth to Saturated Soil: — (in.)

Wetland Hydrology Indicators:
Primary Indicators:
________Inundated
________Saturated in Upper 12 Inches
________Water Marks
________Drift Lines
________Sediment Deposits
________Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
________Oxidized Root Channels in Upper 12 Inches
________Water-Stained Leaves
________Local Soil Survey Data
________FAC-Neutral Test
________ Other (Explain in Remarks)

Remarks:

ILS **Plot ID#:** 19B **Page 2 0f 2**

ap Unit Name
eries and Phase): ____________________ Drainage Class: ____________

Field Observations
Confirm Mapped Type? Yes No

axonomy (Subgroup): ____________________

rofile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 5/4	—	—	sandy loam

ydric Soil Indicators:

- ____ Histosol
- ____ Histic Epipedon
- ____ Sulfidic Odor
- ____ Aquic Moisture Regime
- ____ Reducing Conditions
- ____ Gleyed or Low-Chroma Colors
- ____ Concretions
- ____ High Organic Content in Surface Layer in Sandy Soils
- ____ Organic Streaking in Sandy Soils
- ____ Listed on Local Hydric Soils List
- ____ Listed on National Hydric Soils List
- ____ Other (Explain in Remarks)

emarks:

ETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes [✓ No]
Wetland Hydrology Present? Yes [✓ No]
Hydric Soils Present? Yes [✓ No]

Is this Sampling Point Within a Wetland? Yes [✓ No]

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site:	San Francisquito Creek Project Area, d/s 101	Date: 12/6/00
Applicant/Owner:	Santa Clara Valley Water District	County: Santa Clara
Investigator:	K. Lyons, Biotic Resources Group	State: CA

Do Normal Circumstances exist on the site? **Yes** No
Is the site significantly disturbed (Atypical Situation?) Yes **No**
Is the area a potential Problem Area? Yes **No**
(Is needed, explain on reverse.)

Community ID: ______
Transect ID: ______
Plot ID: 19C

slope above marsh plain

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Baccharis pilularis	S	UPL	9.		
. Xanthium strumarium	H	FAC+	10.		
3. Avena sp.	H	UPL	11.		
.			12.		
5.			13.		
.			14.		
7.			15.		
.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 33%

emarks:

HYDROLOGY

____ Recorded Data (Describe in Remarks):
____ Stream, Lake, or Tide Gauge
____ Aerial Photographs
____ Other
✓ No Recorded Data Available

Field Observations:

Depth of Surface Water: — (in.)

Depth to Free Water in Pit: — (in.)

Depth to Saturated Soil: — (in.)

Wetland Hydrology Indicators:
Primary Indicators:
____ Inundated
____ Saturated in Upper 12 Inches
____ Water Marks
____ Drift Lines
____ Sediment Deposits
____ Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
____ Oxidized Root Channels in Upper 12 Inches
____ Water-Stained Leaves
____ Local Soil Survey Data
____ FAC-Neutral Test
____ Other (Explain in Remarks)

Remarks:

SOILS **Plot ID#:** 19C **Page 2 0f 2**

Map Unit Name
Series and Phase): ____________________

Drainage Class: ______________

Field Observations
Confirm Mapped Type? Yes No

Taxonomy (Subgroup): ____________________

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 5/4	—	—	sandy loam

Hydric Soil Indicators:

____ Histosol
____ Histic Epipedon
____ Sulfidic Odor
____ Aquic Moisture Regime
____ Reducing Conditions
____ Gleyed or Low-Chroma Colors
____ Concretions
____ High Organic Content in Surface Layer in Sandy Soils
____ Organic Streaking in Sandy Soils
____ Listed on Local Hydric Soils List
____ Listed on National Hydric Soils List
____ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes [✓ No]
Wetland Hydrology Present? Yes [✓ No]
Hydric Soils Present? Yes [✓ No]

Is this Sampling Point Within a Wetland? Yes [✓ No]

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

roject/Site:	San Francisquito Creek Project Area , d/s 101	Date: 12/6/00
pplicant/Owner:	Santa Clara Valley Water District	County: Santa Clara
Investigator:	K. Lyons, Biotic Resources Group	State: CA

o Normal Circumstances exist on the site?	**Yes** No	Community ID:
s the site significantly disturbed (Atypical Situation?)	Yes **No**	Transect ID:
Is the area a potential Problem Area? (Is needed, explain on reverse.)	Yes **No**	Plot ID: 20A

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Lepidium latifolium	H	FACW	9.		
Artemesia douglasiana	H	FACW	10.		
3.			11.		
			12.		
			13.		
			14.		
			15.		
			16.		

ercent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 100%

emarks:

YDROLOGY

____ Recorded Data (Describe in Remarks):
____ Stream, Lake, or Tide Gauge
____ Aerial Photographs
____ Other
✓ No Recorded Data Available

eld Observations:

epth of Surface Water: — (in.)

epth to Free Water in Pit: — (in.)

Depth to Saturated Soil: — (in.)

Wetland Hydrology Indicators:
Primary Indicators:
____ Inundated
____ Saturated in Upper 12 Inches
____ Water Marks
____ Drift Lines
✓ Sediment Deposits
____ Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
____ Oxidized Root Channels in Upper 12 Inches
____ Water-Stained Leaves
____ Local Soil Survey Data
____ FAC-Neutral Test
____ Other (Explain in Remarks)

emarks: hydrology inferred as sediment deposit (15' wide from channel edge) is at lower elevation

OILS **Plot ID#:** 20A **Page 2 0f 2**

Map Unit Name
Series and Phase): ____________________ Drainage Class: ____________

Taxonomy (Subgroup): ____________________ Field Observations
Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 4/4	—	—	sandy

Hydric Soil Indicators:

____ Histosol
____ Histic Epipedon
____ Sulfidic Odor
____ Aquic Moisture Regime
____ Reducing Conditions
____ Gleyed or Low-Chroma Colors

____ Concretions
____ High Organic Content in Surface Layer in Sandy Soils
____ Organic Streaking in Sandy Soils
____ Listed on Local Hydric Soils List
____ Listed on National Hydric Soils List
____ Other (Explain in Remarks)

Remarks: positive soil inferred due to presence of mud shelf beneath sediment deposit

WETLAND DETERMINATION

Hydrophytic Vegetation Present? [✓ Yes] No
Wetland Hydrology Present? [✓ Yes] No, inferred
Hydric Soils Present? [✓ Yes] No, inferred

Is this Sampling Point Within a Wetland? [✓ Yes] No

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

roject/Site: San Francisquito Creek Project Area , d/s 101
Applicant/Owner: Santa Clara Valley Water District
Investigator: K. Lyons, Biotic Resources Group

Date: 12/6/00
County: Santa Clara
State: CA

o Normal Circumstances exist on the site? **Yes** No
Is the site significantly disturbed (Atypical Situation?) Yes **No**
Is the area a potential Problem Area? Yes **No**
(Is needed, explain on reverse.)

Community ID:
Transect ID:
Plot ID: 20B

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Cirsium vulgare	H	FACU	9.		
. Conium maculatum	H	FAC	10.		
3. Marrubium vulgare	H	FAC	11.		
.			12.		
5.			13.		
.			14.		
7.			15.		
.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 50%

emarks:

HYDROLOGY

_____ Recorded Data (Describe in Remarks):
_____ Stream, Lake, or Tide Gauge
_____ Aerial Photographs
_____ Other
✓ No Recorded Data Available

ield Observations:

Depth of Surface Water: — (in.)

Depth to Free Water in Pit: — (in.)

Depth to Saturated Soil: — (in.)

Wetland Hydrology Indicators:
Primary Indicators:
_____ Inundated
_____ Saturated in Upper 12 Inches
_____ Water Marks
_____ Drift Lines
_____ Sediment Deposits
_____ Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
_____ Oxidized Root Channels in Upper 12 Inches
_____ Water-Stained Leaves
_____ Local Soil Survey Data
_____ FAC-Neutral Test
_____ Other (Explain in Remarks)

emarks:

OILS **Plot ID#:** 20B **Page 2 0f 2**

Map Unit Name
Series and Phase): ____________________ Drainage Class: ____________

Field Observations
Taxonomy (Subgroup): ____________________ Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-12	A	10 YR 5/4	—	—	sandy

Hydric Soil Indicators:

____ Histosol
____ Histic Epipedon
____ Sulfidic Odor
____ Aquic Moisture Regime
____ Reducing Conditions
____ Gleyed or Low-Chroma Colors
____ Concretions
____ High Organic Content in Surface Layer in Sandy Soils
____ Organic Streaking in Sandy Soils
____ Listed on Local Hydric Soils List
____ Listed on National Hydric Soils List
____ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes [✓ No]
Wetland Hydrology Present? Yes [✓ No]
Hydric Soils Present? Yes [✓ No]

Is this Sampling Point Within a Wetland? Yes [✓ No]

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

roject/Site:	San Francisquito Creek Project Area 9/S 101	Date: 12/6/00
pplicant/Owner:	Santa Clara Valley Water District	County: Santa Clara
Investigator:	K. Lyons, Biotic Resources Group	State: CA

o Normal Circumstances exist on the site?	**Yes** No	Community ID:
s the site significantly disturbed (Atypical Situation?)	Yes **No**	Transect ID:
Is the area a potential Problem Area? (Is needed, explain on reverse.)	Yes **No**	Plot ID: 20C

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Avena sp.	H	UPL	9.		
. Malva sp	H	UPL	10.		
3. Cirsium vulgare	H	FACU	11.		
.			12.		
5.			13.		
.			14.		
.			15.		
.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) —

emarks:

HYDROLOGY

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge ___ Aerial Photographs ___ Other ✓ No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: ___ Inundated ___ Saturated in Upper 12 Inches ___ Water Marks ___ Drift Lines ___ Sediment Deposits ___ Drainage Patterns in Wetlands
ield Observations: epth of Surface Water: — (in.) epth to Free Water in Pit: — (in.) Depth to Saturated Soil: — (in.)	Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 Inches ___ Water-Stained Leaves ___ Local Soil Survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)

emarks:

OILS **Plot ID#:** 20C **Page 2 Of 2**

Map Unit Name
(Series and Phase): ____________________ Drainage Class: ____________

Field Observations
Confirm Mapped Type? Yes No

Taxonomy (Subgroup): ____________________

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-12	A	10 YR 5/4	—	—	sandy/

Hydric Soil Indicators:

____ Histosol
____ Histic Epipedon
____ Sulfidic Odor
____ Aquic Moisture Regime
____ Reducing Conditions
____ Gleyed or Low-Chroma Colors

____ Concretions
____ High Organic Content in Surface Layer in Sandy Soils
____ Organic Streaking in Sandy Soils
____ Listed on Local Hydric Soils List
____ Listed on National Hydric Soils List
____ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes [✓ No]
Wetland Hydrology Present? Yes [✓ No]
Hydric Soils Present? Yes [✓ No]

Is this Sampling Point Within a Wetland? Yes [✓ No]

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: San Francisquito Creek Project Area, d/s 101
Applicant/Owner: Santa Clara Valley Water District
Investigator: K. Lyons, Biotic Resources Group

Date: 12/6/00
County: Santa Clara
State: CA

Do Normal Circumstances exist on the site? **Yes** No
Is the site significantly disturbed (Atypical Situation?) Yes **No**
Is the area a potential Problem Area? Yes **No**
(Is needed, explain on reverse.)

Community ID: ______
Transect ID: ______
Plot ID: 21A

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Salicornia virginica	H	OBL	9.		
2. Atriplex triangularis	H	FACW	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 100%

Remarks:

HYDROLOGY

_____ Recorded Data (Describe in Remarks):
- _____ Stream, Lake, or Tide Gauge
- _____ Aerial Photographs
- _____ Other

✓ No Recorded Data Available

Field Observations:

Depth of Surface Water: — (in.)

Depth to Free Water in Pit: — (in.)

Depth to Saturated Soil: — (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- _____ Inundated
- _____ Saturated in Upper 12 Inches
- _____ Water Marks
- _____ Drift Lines
- ✓ Sediment Deposits
- _____ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- _____ Oxidized Root Channels in Upper 12 Inches
- _____ Water-Stained Leaves
- _____ Local Soil Survey Data
- _____ FAC-Neutral Test
- _____ Other (Explain in Remarks)

Remarks: Inferred positive hydrology due to sediment deposition along edge of low flow channel

SOILS **Plot ID#:** 21A **Page 2 0f 2**

Map Unit Name
(Series and Phase): ______________ Drainage Class: ______________

Field Observations
Confirm Mapped Type? Yes No

Taxonomy (Subgroup): ______________

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 4/4	—	—	sandy

Hydric Soil Indicators:

____ Histosol
____ Histic Epipedon
____ Sulfidic Odor
____ Aquic Moisture Regime
____ Reducing Conditions
____ Gleyed or Low-Chroma Colors
_____ Concretions
_____ High Organic Content in Surface Layer in Sandy Soils
_____ Organic Streaking in Sandy Soils
_____ Listed on Local Hydric Soils List
_____ Listed on National Hydric Soils List
_____ Other (Explain in Remarks)

Remarks: positive soil inferred due to mud shelf present below sandy sediment deposit

WETLAND DETERMINATION

Hydrophytic Vegetation Present? [✓ Yes] No
Wetland Hydrology Present? [✓ Yes] No inferred
Hydric Soils Present? [✓ Yes] No inferred

Is this Sampling Point Within a Wetland? [✓ Yes] No

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: San Francisquito Creek Project Area , 915 101
Applicant/Owner: Santa Clara Valley Water District
Investigator: K. Lyons, Biotic Resources Group

Date: 12/6/00
County: Santa Clara
State: CA

Do Normal Circumstances exist on the site? [✓ **Yes**] No
Is the site significantly disturbed (Atypical Situation?) Yes [✓ **No**]
Is the area a potential Problem Area? Yes [✓ **No**]
(Is needed, explain on reverse.)

Community ID:
Transect ID:
Plot ID: 210

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Malva sp.	H	UPL	9.		
2. Conium maculatum	H	FAC	10.		
3. Cirsium vulgare	H	FACU	11.		
4. Avena sp.	H	UPL	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 25%

Remarks:

HYDROLOGY

_____ Recorded Data (Describe in Remarks):
  _____ Stream, Lake, or Tide Gauge
  _____ Aerial Photographs
  _____ Other
✓ No Recorded Data Available

Field Observations:

Depth of Surface Water: — (in.)

Depth to Free Water in Pit: — (in.)

Depth to Saturated Soil: — (in.)

Wetland Hydrology Indicators:
Primary Indicators:
_____ Inundated
_____ Saturated in Upper 12 Inches
_____ Water Marks
_____ Drift Lines
_____ Sediment Deposits
_____ Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
_____ Oxidized Root Channels in Upper 12 Inches
_____ Water-Stained Leaves
_____ Local Soil Survey Data
_____ FAC-Neutral Test
_____ Other (Explain in Remarks)

Remarks:

SOILS **Plot ID#:** 21B **Page 2 0f 2**

Map Unit Name
(Series and Phase): ____________________

Drainage Class: ____________

Field Observations
Confirm Mapped Type? Yes No

Taxonomy (Subgroup): ____________________

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 5/4	—	—	sandy

Hydric Soil Indicators:

- ____ Histosol
- ____ Histic Epipedon
- ____ Sulfidic Odor
- ____ Aquic Moisture Regime
- ____ Reducing Conditions
- ____ Gleyed or Low-Chroma Colors
- ____ Concretions
- ____ High Organic Content in Surface Layer in Sandy Soils
- ____ Organic Streaking in Sandy Soils
- ____ Listed on Local Hydric Soils List
- ____ Listed on National Hydric Soils List
- ____ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes [✓ No]
Wetland Hydrology Present? Yes [✓ No]
Hydric Soils Present? Yes [✓ No]

Is this Sampling Point Within a Wetland? Yes [✓ No]

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

oject/Site:	San Francisquito Creek Project Area , d/s 101	Date: 12/6/00
plicant/Owner:	Santa Clara Valley Water District	County: Santa Clara
Investigator:	K. Lyons, Biotic Resources Group	State: CA

o Normal Circumstances exist on the site?	**Yes** No	Community ID: ______
the site significantly disturbed (Atypical Situation?)	Yes **No**	Transect ID: ______
Is the area a potential Problem Area? (Is needed, explain on reverse.)	Yes **No**	Plot ID: 21C

slope up to levee Rd

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Baccharis pilularis	H	UPL	9.		
Malva sp.	H	UPL	10.		
Marrubium vulgare	H	FAC	11.		
Avena sp.	H	UPL	12.		
			13.		
			14.		
			15.		
8.			16.		

ercent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 25%

emarks:

DROLOGY

___ Recorded Data (Describe in Remarks):
______ Stream, Lake, or Tide Gauge
______ Aerial Photographs
______ Other
✓ No Recorded Data Available

Field Observations:

epth of Surface Water: — (in.)

Depth to Free Water in Pit: — (in.)

Depth to Saturated Soil: — (in.)

Wetland Hydrology Indicators:
Primary Indicators:
________Inundated
________Saturated in Upper 12 Inches
________Water Marks
________Drift Lines
________Sediment Deposits
________Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
________Oxidized Root Channels in Upper 12 Inches
________Water-Stained Leaves
________Local Soil Survey Data
________FAC-Neutral Test
________ Other (Explain in Remarks)

emarks:

OILS **Plot ID#:** 21C **Page 2 0f 2**

lap Unit Name
Series and Phase): ______________________

Drainage Class: ______________

Field Observations
Confirm Mapped Type? Yes No

axonomy (Subgroup): ______________________

rofile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0 - 12	A	10 YR 5/4	—	—	sandy loam

Hydric Soil Indicators:

____ Histosol
____ Histic Epipedon
____ Sulfidic Odor
____ Aquic Moisture Regime
____ Reducing Conditions
____ Gleyed or Low-Chroma Colors
____ Concretions
____ High Organic Content in Surface Layer in Sandy Soils
____ Organic Streaking in Sandy Soils
____ Listed on Local Hydric Soils List
____ Listed on National Hydric Soils List
____ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes [✓ No]
Wetland Hydrology Present? Yes [✓ No]
Hydric Soils Present? Yes [✓ No]

Is this Sampling Point Within a Wetland? Yes [✓ No]

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: San Francisquito Creek Project Area, d/s 101
Applicant/Owner: Santa Clara Valley Water District
Investigator: K. Lyons, Biotic Resources Group

Date: 12/6/00
County: Santa Clara
State: CA

Do Normal Circumstances exist on the site? [✓ Yes] No
Is the site significantly disturbed (Atypical Situation?) Yes [✓ No]
Is the area a potential Problem Area? Yes [✓ No]
(Is needed, explain on reverse.)

Community ID: ______
Transect ID: ______
Plot ID: 22

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Spartina foliosa	H	OBL	9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 100%

Remarks:

HYDROLOGY

______ Recorded Data (Describe in Remarks):
______ Stream, Lake, or Tide Gauge
______ Aerial Photographs
______ Other
__✓__ No Recorded Data Available

Field Observations:

Depth of Surface Water: — (in.) low tide

Depth to Free Water in Pit: — (in.)

Depth to Saturated Soil: 0" (in.)

Wetland Hydrology Indicators:
Primary Indicators:
________ Inundated
___✓___ Saturated in Upper 12 Inches
________ Water Marks
________ Drift Lines
________ Sediment Deposits
________ Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
________ Oxidized Root Channels in Upper 12 Inches
________ Water-Stained Leaves
________ Local Soil Survey Data
________ FAC-Neutral Test
________ Other (Explain in Remarks)

Remarks:

SOILS **Plot ID#:** 22 **Page 2 Of 2**

Map Unit Name
(Series and Phase): ____________________ Drainage Class: ______________

Field Observations
Confirm Mapped Type? Yes No

Taxonomy (Subgroup): ____________________

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16	A	5YN/1	—	—	clay

Hydric Soil Indicators:

- ____ Histosol
- ____ Histic Epipedon
- ____ Sulfidic Odor
- ____ Aquic Moisture Regime
- ____ Reducing Conditions
- _✓_ Gleyed or Low-Chroma Colors
- ____ Concretions
- ____ High Organic Content in Surface Layer in Sandy Soils
- ____ Organic Streaking in Sandy Soils
- ____ Listed on Local Hydric Soils List
- ____ Listed on National Hydric Soils List
- ____ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? [✓ Yes] No
Wetland Hydrology Present? [✓ Yes] No
Hydric Soils Present? [✓ Yes] No

Is this Sampling Point Within a Wetland? [✓ Yes] No

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: San Francisquito Creek Project Area, d/s 101
Applicant/Owner: Santa Clara Valley Water District
Investigator: K. Lyons, Biotic Resources Group

Date: 12/6/00
County: Santa Clara
State: CA

Do Normal Circumstances exist on the site? **Yes** No
Is the site significantly disturbed (Atypical Situation?) Yes **No**
Is the area a potential Problem Area? Yes **No**
(Is needed, explain on reverse.)

Community ID: ________
Transect ID: ________
Plot ID: 23A

on N side of levee Rd

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Distichlis spicata	H	FACW	9.		
2. Salicornia virginica	H	OBL	10.		
3. Rumex crispus	H	FACW	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 100%

Remarks:

HYDROLOGY

_____ Recorded Data (Describe in Remarks):
    _____ Stream, Lake, or Tide Gauge
    _____ Aerial Photographs
    _____ Other
✓ No Recorded Data Available

Field Observations:

Depth of Surface Water: — (in.)

Depth to Free Water in Pit: — (in.)

Depth to Saturated Soil: 6" (in.)

Wetland Hydrology Indicators:
Primary Indicators:
_____ Inundated
✓ Saturated in Upper 12 Inches
_____ Water Marks
_____ Drift Lines
_____ Sediment Deposits
_____ Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
_____ Oxidized Root Channels in Upper 12 Inches
_____ Water-Stained Leaves
_____ Local Soil Survey Data
_____ FAC-Neutral Test
_____ Other (Explain in Remarks)

Remarks:

OILS **Plot ID#:** 23A **Page 2 0f 2**

Map Unit Name
Series and Phase): ____________________ Drainage Class: ______________

Field Observations
Confirm Mapped Type? Yes No

axonomy (Subgroup): ____________________

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 4/1	—	—	clay

Hydric Soil Indicators:

- ____ Histosol
- ____ Histic Epipedon
- ____ Sulfidic Odor
- ____ Aquic Moisture Regime
- ____ Reducing Conditions
- ✓ Gleyed or Low-Chroma Colors
- ____ Concretions
- ____ High Organic Content in Surface Layer in Sandy Soils
- ____ Organic Streaking in Sandy Soils
- ____ Listed on Local Hydric Soils List
- ____ Listed on National Hydric Soils List
- ____ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? [✓ Yes] No
Wetland Hydrology Present? [✓ Yes] No
Hydric Soils Present? [✓ Yes] No

Is this Sampling Point Within a Wetland? [✓ Yes] No

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: San Francisquito Creek Project Area, d/s 101
Applicant/Owner: Santa Clara Valley Water District
Investigator: K. Lyons, Biotic Resources Group

Date: 12/6/00
County: Santa Clara
State: CA

Do Normal Circumstances exist on the site? [✓ Yes] No
Is the site significantly disturbed (Atypical Situation?) Yes [✓ No]
Is the area a potential Problem Area? Yes [✓ No]
(Is needed, explain on reverse.)

Community ID: ______
Transect ID: ______
Plot ID: 23B

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Avena sp.	H	UPL	9.		
2. Distichlis spicata	H	FACW	10.		
3. Lolium multiflorum	H	FAC	11.		
4. Malva sp.	H	UPL	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 50%

Remarks:

HYDROLOGY

____ Recorded Data (Describe in Remarks):
  ____ Stream, Lake, or Tide Gauge
  ____ Aerial Photographs
  ____ Other
✓ No Recorded Data Available

Field Observations:

Depth of Surface Water: — (in.)

Depth to Free Water in Pit: — (in.)

Depth to Saturated Soil: — (in.)

Wetland Hydrology Indicators:
Primary Indicators:
____ Inundated
____ Saturated in Upper 12 Inches
____ Water Marks
____ Drift Lines
____ Sediment Deposits
____ Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
____ Oxidized Root Channels in Upper 12 Inches
____ Water-Stained Leaves
____ Local Soil Survey Data
____ FAC-Neutral Test
____ Other (Explain in Remarks)

Remarks:

OILS **Plot ID#:** 23B **Page 2 0f 2**

ap Unit Name
eries and Phase): ______________________ Drainage Class: ____________

Field Observations
axonomy (Subgroup): ______________________ Confirm Mapped Type? Yes No

rofile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 5/4	—	—	sandy loam

Hydric Soil Indicators:

____ Histosol
____ Histic Epipedon
____ Sulfidic Odor
____ Aquic Moisture Regime
____ Reducing Conditions
____ Gleyed or Low-Chroma Colors

____ Concretions
____ High Organic Content in Surface Layer in Sandy Soils
____ Organic Streaking in Sandy Soils
____ Listed on Local Hydric Soils List
____ Listed on National Hydric Soils List
____ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes [✓ No]
Wetland Hydrology Present? Yes [✓ No]
Hydric Soils Present? Yes [✓ No]

Is this Sampling Point Within a Wetland? Yes [✓ No]

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: San Francisquito Creek Project Area , d/s 101
Applicant/Owner: Santa Clara Valley Water District
Investigator: K. Lyons, Biotic Resources Group

Date: 12/6/00
County: Santa Clara
State: CA

Do Normal Circumstances exist on the site? **Yes** No
Is the site significantly disturbed (Atypical Situation?) Yes **No**
Is the area a potential Problem Area? Yes **No**
(Is needed, explain on reverse.)

Community ID: ______
Transect ID: ______
Plot ID: 24A

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Salicornia virginica	H	OBL	9.		
2. Atriplex triangularis	H	FACW	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 100%

Remarks:

HYDROLOGY

____ Recorded Data (Describe in Remarks):
______ Stream, Lake, or Tide Gauge
______ Aerial Photographs
______ Other
✓ No Recorded Data Available

Field Observations:

Depth of Surface Water: — (in.)

Depth to Free Water in Pit: — (in.)

Depth to Saturated Soil: — (in.)

Wetland Hydrology Indicators:
Primary Indicators:
________ Inundated
________ Saturated in Upper 12 Inches
________ Water Marks
________ Drift Lines
✓ Sediment Deposits
________ Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
________ Oxidized Root Channels in Upper 12 Inches
________ Water-Stained Leaves
________ Local Soil Survey Data
________ FAC-Neutral Test
________ Other (Explain in Remarks)

Remarks: Inferred due to sediments w/ OBL spp.

OILS **Plot ID#:** 24A **Page 2 0f 2**

ap Unit Name
Series and Phase): ______________________ Drainage Class: ______________

Field Observations
Confirm Mapped Type? Yes No

axonomy (Subgroup): ______________________

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-13	A	10YR 4/4	—	—	Sandy

Hydric Soil Indicators:

____ Histosol
____ Histic Epipedon
____ Sulfidic Odor
____ Aquic Moisture Regime
____ Reducing Conditions
____ Gleyed or Low-Chroma Colors
____ Concretions
____ High Organic Content in Surface Layer in Sandy Soils
____ Organic Streaking in Sandy Soils
____ Listed on Local Hydric Soils List
____ Listed on National Hydric Soils List
____ Other (Explain in Remarks)

Remarks: mud shelf present below sand deposit

WETLAND DETERMINATION

Hydrophytic Vegetation Present? [✓ Yes] No
Wetland Hydrology Present? [✓ Yes] No, inferred
Hydric Soils Present? [✓ Yes] No, inferre
Is this Sampling Point Within a Wetland? [✓ Yes] No

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

roject/Site:	San Francisquito Creek Project Area d/s 101	Date: 12/6/00
Applicant/Owner:	Santa Clara Valley Water District	County: Santa Clara
Investigator:	K. Lyons, Biotic Resources Group	State: CA

o Normal Circumstances exist on the site?	**Yes**	No	Community ID:
Is the site significantly disturbed (Atypical Situation?)	Yes	**No**	Transect ID:
Is the area a potential Problem Area?	Yes	**No**	Plot ID: 24B
(Is needed, explain on reverse.)			

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Marrubium vulgare	H	FAC	9.		
Malva sp.	H	UPL	10.		
3. Baccharis pilularis	H	UPL	11.		
			12.		
5.			13.		
			14.		
7.			15.		
			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 33%

emarks:

HYDROLOGY

____ Recorded Data (Describe in Remarks): ______ Stream, Lake, or Tide Gauge ______ Aerial Photographs ______ Other ✓ No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: ________Inundated ________Saturated in Upper 12 Inches ________Water Marks ________Drift Lines ________Sediment Deposits ________Drainage Patterns in Wetlands
ield Observations: Depth of Surface Water: — (in.) Depth to Free Water in Pit: — (in.) Depth to Saturated Soil: — (in.)	Secondary Indicators (2 or more required): ________Oxidized Root Channels in Upper 12 Inches ________Water-Stained Leaves ________Local Soil Survey Data ________FAC-Neutral Test ________ Other (Explain in Remarks)

emarks:

SOILS **Plot ID#:** 24B **Page 2 0f 2**

Map Unit Name
Series and Phase): ______________________

Drainage Class: ______________

Field Observations
Confirm Mapped Type? Yes No

Taxonomy (Subgroup): ______________________

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR 5/4	—	—	sandy loam

Hydric Soil Indicators:

- ____ Histosol
- ____ Histic Epipedon
- ____ Sulfidic Odor
- ____ Aquic Moisture Regime
- ____ Reducing Conditions
- ____ Gleyed or Low-Chroma Colors
- ____ Concretions
- ____ High Organic Content in Surface Layer in Sandy Soils
- ____ Organic Streaking in Sandy Soils
- ____ Listed on Local Hydric Soils List
- ____ Listed on National Hydric Soils List
- ____ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes [✓ No]	
Wetland Hydrology Present?	Yes [✓ No]	
Hydric Soils Present?	Yes [✓ No]	Is this Sampling Point Within a Wetland? Yes [✓ No]

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site:	San Francisquito Creek Project Area, d/s 101	Date:	1/8/00
Applicant/Owner:	Santa Clara Valley Water District	County:	Santa Clara
Investigator:	K. Lyons, Biotic Resources Group	State:	CA

Do Normal Circumstances exist on the site?	**Yes** No		Community ID:	
Is the site significantly disturbed (Atypical Situation?)	Yes **No**		Transect ID:	
Is the area a potential Problem Area? (Is needed, explain on reverse.)	Yes **No**		Plot ID:	25A

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Salicornia virginica	H	OBL	9.		
2. Distichlis spicata	H	FACW	10.		
3. Rumex crispus	H	FACW	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 100%

Remarks:

HYDROLOGY

____ Recorded Data (Describe in Remarks): ____ Stream, Lake, or Tide Gauge ____ Aerial Photographs ____ Other ✓ No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: ____ Inundated ✓ Saturated in Upper 12 Inches ____ Water Marks ____ Drift Lines ____ Sediment Deposits ____ Drainage Patterns in Wetlands
Field Observations: Depth of Surface Water: — (in.) Depth to Free Water in Pit: — (in.) Depth to Saturated Soil: 2" (in.)	Secondary Indicators (2 or more required): ____ Oxidized Root Channels in Upper 12 Inches ____ Water-Stained Leaves ____ Local Soil Survey Data ____ FAC-Neutral Test ____ Other (Explain in Remarks)

Remarks:

SOILS

Plot ID#: 25 A **Page 2 0f 2**

Map Unit Name
(Series and Phase): ____________________

Drainage Class: ____________

Field Observations
Confirm Mapped Type? Yes No

Taxonomy (Subgroup): ____________________

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-11	A	10YR 4/1	–	–	clay

Hydric Soil Indicators:

____ Histosol
____ Histic Epipedon
____ Sulfidic Odor
____ Aquic Moisture Regime
____ Reducing Conditions
✓ Gleyed or Low-Chroma Colors

____ Concretions
____ High Organic Content in Surface Layer in Sandy Soils
____ Organic Streaking in Sandy Soils
____ Listed on Local Hydric Soils List
____ Listed on National Hydric Soils List
____ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? [✓ Yes] No
Wetland Hydrology Present? [✓ Yes] No
Hydric Soils Present? [✓ Yes] No

Is this Sampling Point Within a Wetland? [✓ Yes] No

Remarks:

DATA FORM · ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site:	San Francisquito Creek Project Area , d/s 101	Date: 1/8/00
Applicant/Owner:	Santa Clara Valley Water District	County: Santa Clara
Investigator:	K. Lyons, Biotic Resources Group	State: CA

Do Normal Circumstances exist on the site?	**Yes** No	Community ID:	
Is the site significantly disturbed (Atypical Situation?)	Yes **No**	Transect ID:	
Is the area a potential Problem Area? (Is needed, explain on reverse.)	Yes **No**	Plot ID:	253

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Distichlis spicata	H	FACW	9.		
2. Lolium multiflorum	H	FAC	10.		
3. Malva sp.	H	UPL	11.		
4. Hordeum leporinum	H	UPL	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 50%

Remarks:

HYDROLOGY

_____ Recorded Data (Describe in Remarks):
  _____ Stream, Lake, or Tide Gauge
  _____ Aerial Photographs
  _____ Other
✓ No Recorded Data Available

Field Observations:

Depth of Surface Water: — (in.)

Depth to Free Water in Pit: — (in.)

Depth to Saturated Soil: 8" (in.)

Wetland Hydrology Indicators:
Primary Indicators:
_____ Inundated
✓ Saturated in Upper 12 Inches
_____ Water Marks
_____ Drift Lines
_____ Sediment Deposits
_____ Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
_____ Oxidized Root Channels in Upper 12 Inches
_____ Water-Stained Leaves
_____ Local Soil Survey Data
_____ FAC-Neutral Test
_____ Other (Explain in Remarks)

Remarks:

SOILS **Plot ID#:** 25B **Page 2 0f 2**

Map Unit Name
(Series and Phase): ______________________

Drainage Class: ______________

Field Observations
Confirm Mapped Type? Yes No

Taxonomy (Subgroup): ______________________

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16	A	10YR 5/4	—	—	sandy

Hydric Soil Indicators:

____ Histosol
____ Histic Epipedon
____ Sulfidic Odor
____ Aquic Moisture Regime
____ Reducing Conditions
____ Gleyed or Low-Chroma Colors

____ Concretions
____ High Organic Content in Surface Layer in Sandy Soils
____ Organic Streaking in Sandy Soils
____ Listed on Local Hydric Soils List
____ Listed on National Hydric Soils List
____ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes [✓ No]
Wetland Hydrology Present? [✓ Yes] No
Hydric Soils Present? Yes [✓ No]

Is this Sampling Point Within a Wetland? Yes [✓ No]

Remarks: